
**特点 Features:**

- 高灵敏度:线圈功率150mW  
High sensitivity:150mW coil power
- 小型尺寸:  
Small size:12.3x7.4x9.9mm

**触点参数 CONTACT DATA**

型号	Model	YT102
触点形式	Contact Arrangement	1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	1A 125VAC/30VDC
最大切换电流	Max. Switching Current	1A
最大切换电压	Max. Switching Voltage	125VAC/30VDC
最大切换功率	Max. Switching Power	125VA/30W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	5ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 1,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 50G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 2.1g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	50.0	60	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.15
5	30.0	167				
6	25.0	240				
9	16.7	540				
12	12.5	960				
24	6.3	3,840	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.20
3	66.7	45				
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
24	8.3	2,880				

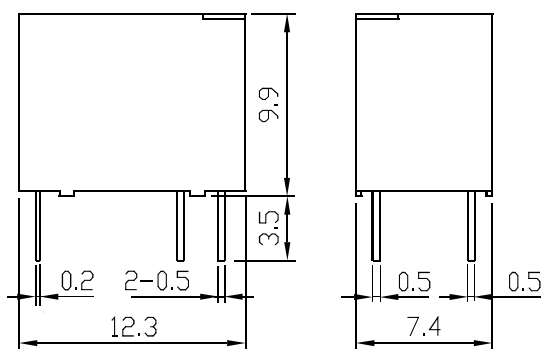
## 订货标记示例 ORDERING INFORMATION

YT102	-S	-1	12	D	M	
				触点形式 Contact form :		无-转换 Nil-Form C
				线圈功耗 Coil power :		D-0.20 W , L-0.15W
				线圈规格 Coil voltage :		03,05,06,09,12,24 (VDC)
				触点组数 Number of poles :		1-1组 1-1 Group
				封装形式 Protective construction :		S-塑封式, SH-防水式 S-Flux proofed , SH-Sealed type
				基本型号 Type designation :		YT102

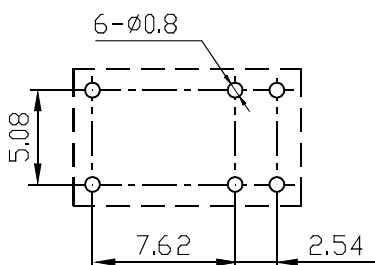
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

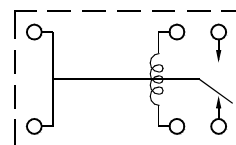
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )

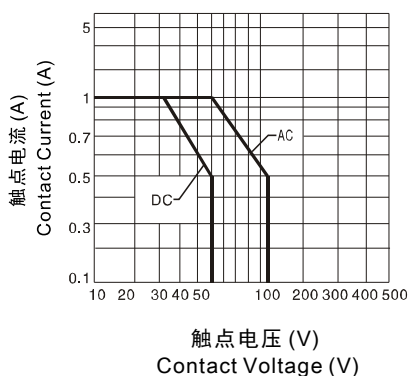


### 注 Remark :

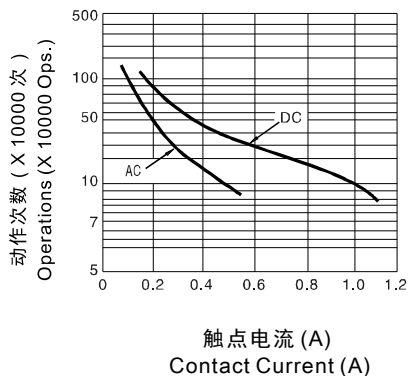
- 1.未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ; (1~5)mm:  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
- 2.安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
- 3.引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

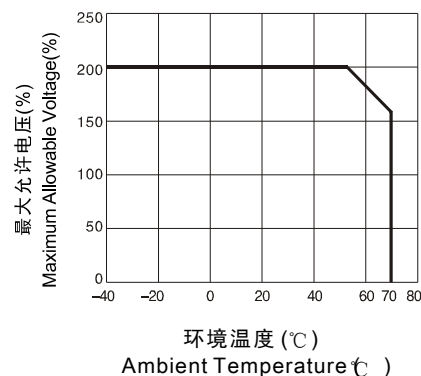
最大切换功率  
Max. Switching Power



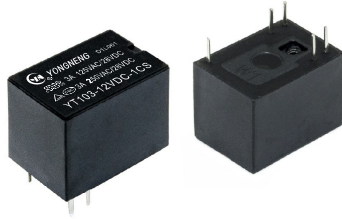
寿命曲线  
Endurance Curve



周围温度最大允许电压  
Max Allowable Voltage Of Ambient Temp.






**特点 Features:**

- 触点容量: 3A触点切换能力  
Switching capability: 3A.
- 高灵敏度: 线圈功率200mW  
High Sensitivity: 200mW coil power.
- 小型尺寸 Small size: (15.5x10.4x11.3)mm.

**触点参数 CONTACT DATA**

型号	Model	YT103
触点形式	Contact Arrangement	1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	3A 250VAC/28VDC
最大切换电流	Max. Switching Current	3A
最大切换电压	Max. Switching Voltage	250VAC/28VDC
最大切换功率	Max. Switching Power	750VA/84W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	4ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 750VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-30°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 3.4g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	66.7	45	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.2
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
24	8.3	2,880				
3	120.0	25	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
5	72.0	69				
6	60.0	100				
9	40.0	225				
12	30.0	400				
24	15.0	1,600				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	150.0	20	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.45
5	90.0	56				
6	75.0	80				
9	50.0	180				
12	37.5	320				
24	18.8	1,280				

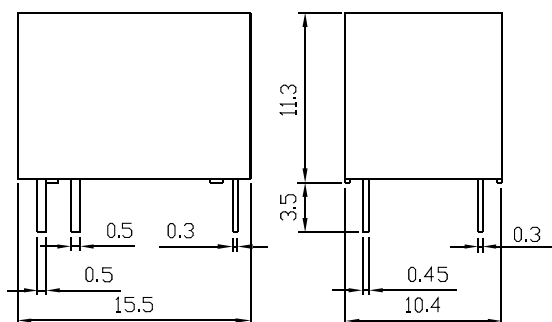
## 订货标记示例 ORDERING INFORMATION

YT103	-12VDC	-1	C	S	
					封装形式 Protective construction : S-塑封式 S-Flux proofed
					触点形式 Contact form : C-转换, C-Form C
					触点组数 Number of poles : 1-1组 1-1 Group
					线圈规格 Coil voltage : 03,05,06,09,12,24(VDC)
					基本型号 Type designation : YT103

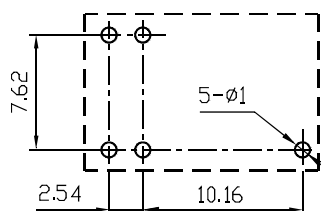
## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

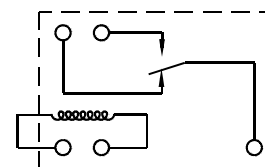


安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)

Wiring Diagram (Bottom View)

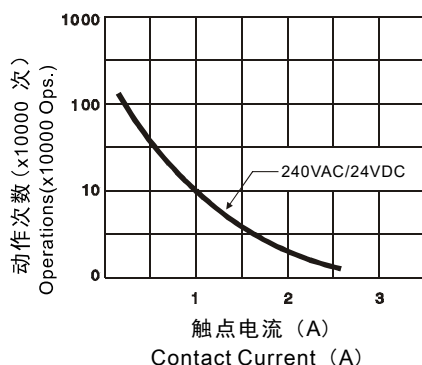


注 Remark :

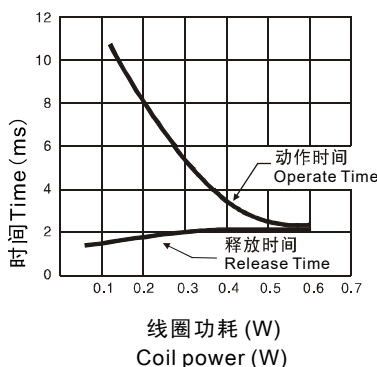
1. 未标注尺寸公差 Unmarked dimensional tolerance: ≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
2. 安装孔尺寸公差: ±0.1mm. The tolerance of PCB layout is always: ±0.1mm.
3. 引出脚尺寸为预焊前尺寸. Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

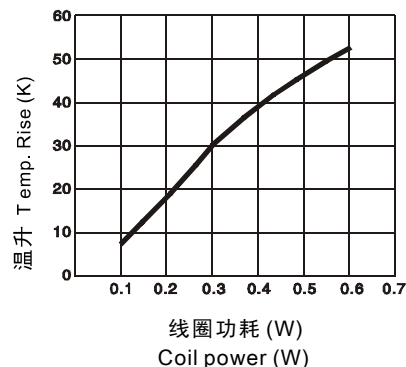
寿命曲线  
Endurance Curve

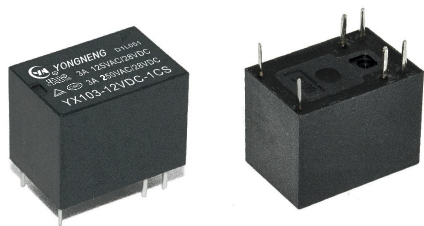


动作时间  
Operate Time



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 触点容量: 3A触点切换能力  
Switching capability: 3A.
- 高灵敏度: 线圈功率200mW  
High Sensitivity: 200mW coil power.
- 小型尺寸 Small size: (15.5x10.6x11.5)mm

**触点参数 CONTACT DATA**

型号	Model	YX103
触点形式	Contact Arrangement	1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	3A 250VAC/28VDC
最大切换电流	Max. Switching Current	3A
最大切换电压	Max. Switching Voltage	250VAC/28VDC
最大切换功率	Max. Switching Power	750VA/84W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	4ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 750VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-30°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 3.6g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	66.7	45	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.2
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
24	8.3	2,880	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
3	120.0	25				
5	72.0	69				
6	60.0	100				
9	40.0	225				
12	30.0	400				
24	15.0	1,600				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	150.0	20	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.45
5	90.0	56				
6	75.0	80				
9	50.0	180				
12	37.5	320				
24	18.8	1,280				

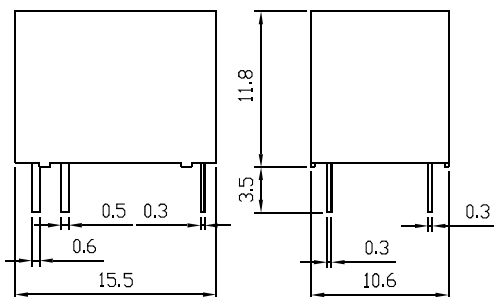
## 订货标记示例 ORDERING INFORMATION

YX103	-12VDC	-1	C	S	
					封装形式 Protective construction : S-塑封式 S-Flux proofed
					触点形式 Contact form : C-转换, C-Form C
					触点组数 Number of poles : 1-1组 1-1 Group
					线圈规格 Coil voltage : 03,05,06,09,12,24 (VDC)
					基本型号 Type designation : YX103

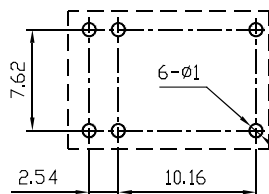
## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

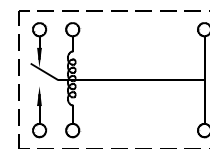
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )

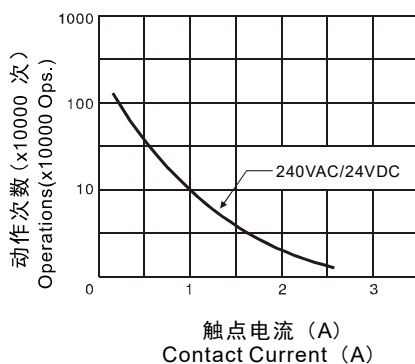


注 Remark :

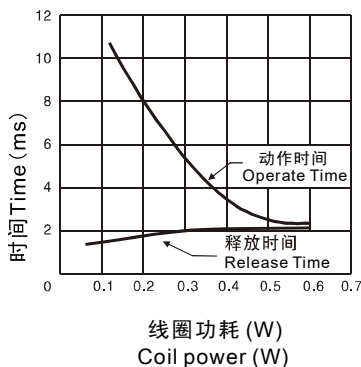
- 1.未标注尺寸公差. Unmarked dimensional tolerance.  $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ; (1~5)mm:  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
- 2.安装孔尺寸公差. The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
- 3.引出脚尺寸为预焊前尺寸. Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

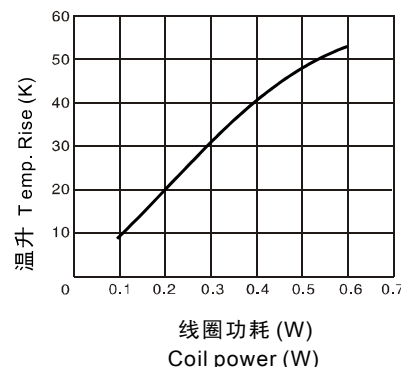
寿命曲线  
Endurance Curve

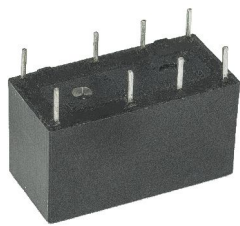
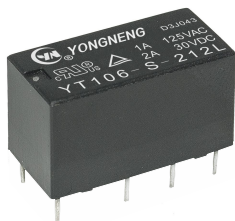


动作时间  
Operate Time



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 高灵敏度:线圈功率150mW  
High sensitive:150mW coil power
- 小型尺寸  
Small size:20.2x10x11.5mm
- 两组转换触点形式  
2 transfer contact configuration.

**触点参数 CONTACT DATA**

型号	Model	YT106
触点形式	Contact Arrangement	2C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	1A 125VAC ; 2A 30VDC
最大切换电流	Max. Switching Current	2A
最大切换电压	Max. Switching Voltage	125VAC/30VDC
最大切换功率	Max. Switching Power	125VA/60W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	6ms Max.
释放时间(不带二极管)	Release Time ( without diode )	4ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 750VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 1,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 50G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 5.0g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	50.0	60	7.0	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.15
5	30.0	167	11.5			
6	25.0	240	13.8			
9	16.7	540	20.8			
12	12.5	960	27.7			
24	6.3	3,840	55.2			

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	66.7	45	6.0	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.20
5	40.0	125	10.0			
6	33.3	180	12.0			
9	22.2	405	18.0			
12	16.7	720	24.0			
24	8.3	2,880	48.0			
3	120.0	25	4.5	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
5	72.0	69	8.0			
6	60.0	100	10.0			
9	40.0	225	14.5			
12	30.0	400	18.5			
24	15.0	1,600	35.5			

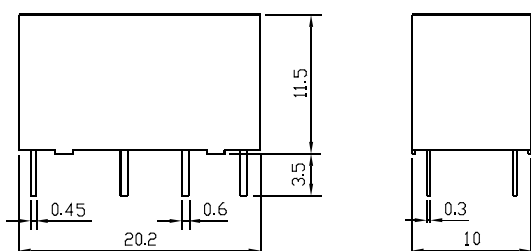
## 订货标记示例 ORDERING INFORMATION

YT106	-S	-2	12	D	M	
				触点形式 Contact form :		无-转换, Nil-Form C
				线圈功耗 Coil power :		D-0.36 W, L-0.2W ( 0.15W 可选 optional )
				线圈规格 Coil voltage :		03,05,06,09,12,24 (VDC)
				触点组数 Number of poles :		2-2组, 2-2 Group
				封装形式 Protective construction :		S-塑封式 S-Flux proofed
				基本型号 Type designation :		YT106

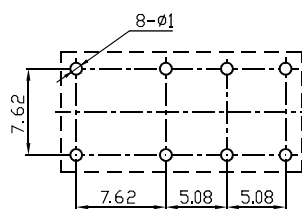
## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

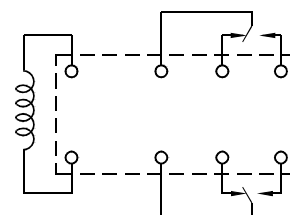
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)  
Wiring Diagram (Bottom View)

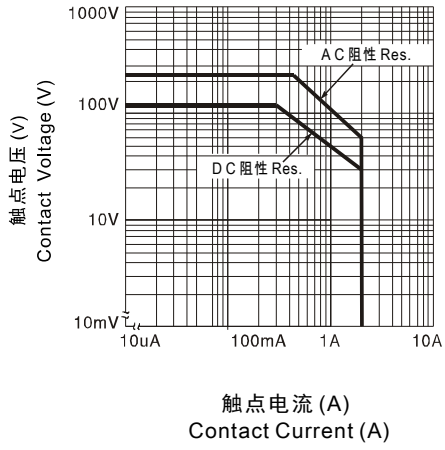


注 Remark :

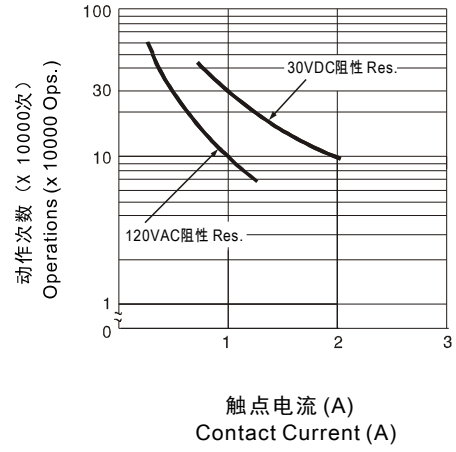
- 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

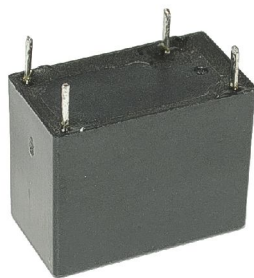
## 性能曲线图 CHARACTERISTIC CURVES

最大切换功率  
Max. Switching Power



寿命曲线  
Endurance Curve




**特点 Features:**

- 高灵敏度：线圈功率200mW  
High Sensitivity: 200mW coil power.
- 线圈与触点浪涌电压6KV  
6KV surge voltage between coil and contact.
- 可提供符合 IEC 60335-1 要求的产品  
Product comply with IEC 60335-1 available.

**触点参数 CONTACT DATA**

型号	Model	YX201	YX201H
触点形式	Contact Arrangement	1A, 1C	1A, 1C
接触电阻	Contact Resistance	100mΩ Max.	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy	银合金 Silver Alloy
额定负载 (阻性)	Contact Rating ( Res.Load )	5A 250VAC	10A 250VAC
最大切换电流	Max. Switching Current	5A	10A
最大切换电压	Max. Switching Voltage	250VAC	250VAC
最大切换功率	Max. Switching Power	1250VA	2500VA
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间 (额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间 (不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 5.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	150.0	20	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.45
5	89.3	56				
6	75.0	80				
9	50.0	180				
12	37.5	320				
15	30.0	500				
18	25.0	720				
24	18.8	1,280				
48	9.4	5,120				



## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	66.7	45	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.2
5	40.0	125				
6	33.4	180				
9	22.3	405				
12	16.7	720				
18	14.8	1,620				
24	8.4	2,880				
48	4.2	11,520				

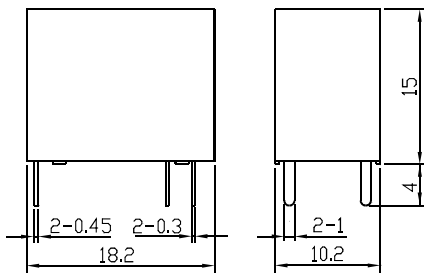
## 订货标记示例 ORDERING INFORMATION

YX201	-S	-1	12	D	M	F	
温度等级 Temperature grade :		无-85度, F-105度 Nil-85 °C, F-105 °C					
触点形式 Contact form :		无-转换, M-常开 Nil-Form C, M-Form A					
线圈功耗 Coil power :		D-0.45 W					
线圈规格 Coil voltage :		03,05,06,09,12,18,24,48 (VDC)					
触点组数 Number of poles :		1-1组 1-1 Group					
封装形式 Protective construction :		S-塑封式 S-Flux proofed					
基本型号 Type designation :		YX201 (5A) / YX201H (10A)					

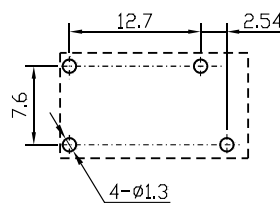
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

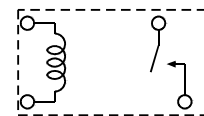
外形尺寸  
Outline Dimensions



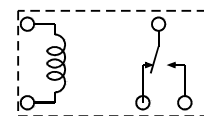
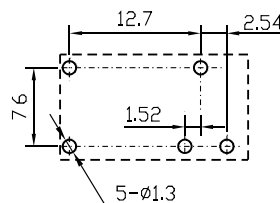
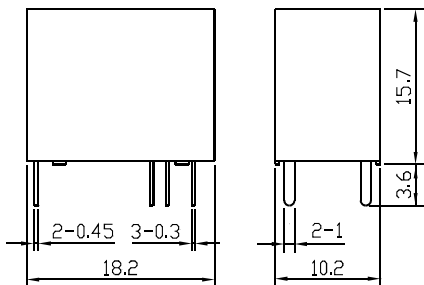
安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )



常开型  
1 Form A



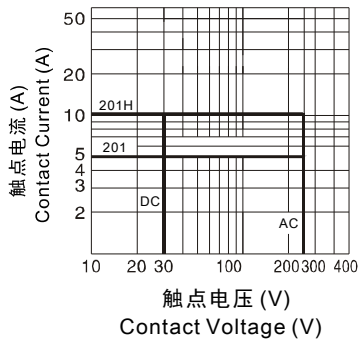
转换型  
1 Form C

注 Remark :

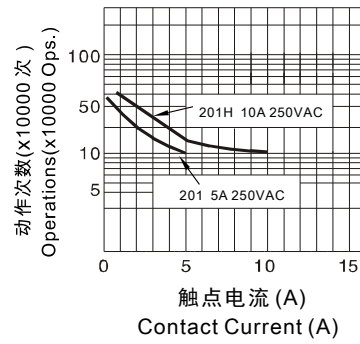
1. 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
2. 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
3. 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

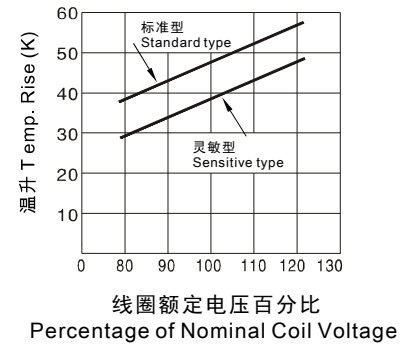
最大切换功率  
Max. Switching Power

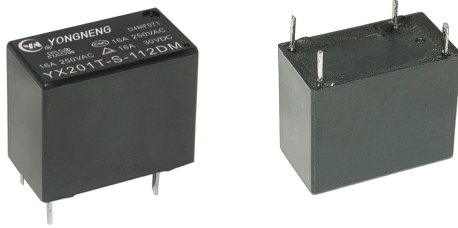


寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 可提供满足TV-8的产品  
TV-8 products are available.
- 线圈与触点浪涌电压6KV  
6KV surge voltage between coil and contact.
- 可提供符合 IEC 60335-1 要求的产品  
Product comply with IEC 60335-1 available.

**触点参数 CONTACT DATA**

型号	Model	YX201T
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC
最大切换功率	Max. Switching Power	4000VA
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	5x10 <sup>4</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 6.0g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	150.0	20	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.45
5	90.0	56				
6	75.0	80				
9	50.0	180				
12	37.5	320				
15	30.0	500				
18	25.0	720				
24	18.8	1,280				
36	12.5	2,880				
48	9.4	5,120				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	66.7	45	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.2
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
15	13.3	1,125				
18	11.1	1,620				
24	8.3	2,880				
36	5.6	6,480				
48	4.2	11,520				

## 订货标记示例 ORDERING INFORMATION

YX201T	-S	-1	12	D	M	
						触点形式 Contact form : 无-转换, M-常开 Nil-Form C, M-Form A
						线圈功耗 Coil power : D-0.45 W, L-0.2 W
						线圈规格 Coil voltage : 03,05,06,09,12,18,24,48 (VDC)
						触点组数 Number of poles : 1-1组 1-1 Group
						封装形式 Protective construction : S-塑封式 S-Flux proofed
						基本型号 Type designation : YX201T

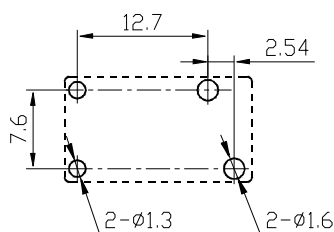
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

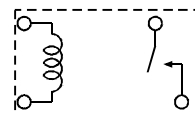
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)  
Wiring Diagram (Bottom View)

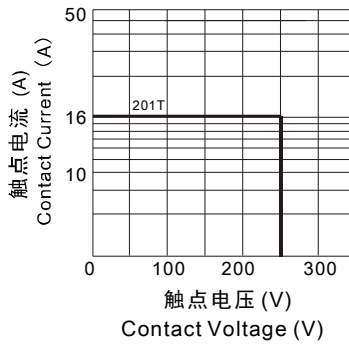


注 Remark :

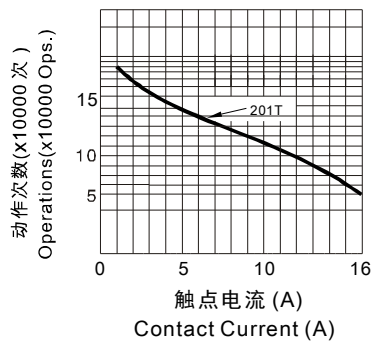
1. 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
2. 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
3. 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

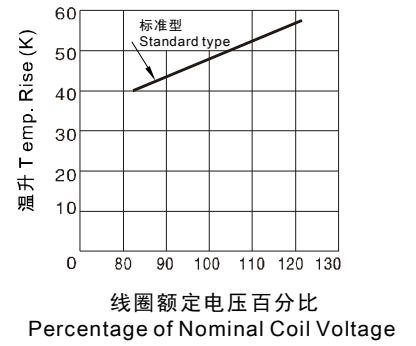
最大切换功率  
Max. Switching Power

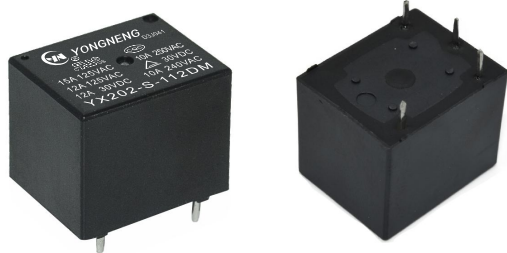


寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 15A触点切换能力。  
Contact switching capability:15A.
- 可提供符合IEC 60335-1 要求的产品。  
Product comply with IEC 60335-1 available.
- 超小型, 标准印刷板引出脚。  
Subminiature, standard PCB layout.

**触点参数 CONTACT DATA**

型号	Model	YX202
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	10A 250VAC/30VDC ; 15A 125VAC
最大切换电流	Max. Switching Current	15A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	2500VA/300W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	8ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 750VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 1,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 8.7g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	120.0	25	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
5	71.4	70				
6	60.0	100				
9	40.0	225				
12	30.0	400				
15	24.0	625				
18	20.0	900				
24	15.0	1,600				
48	7.5	6,400				
60	6.0	10,000				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	150.0	20	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.45
5	89.3	56				
6	75.0	80				
9	50.0	180				
12	37.5	320				
15	30.0	500				
18	25.0	720				
24	18.8	1,280				
48	9.4	5,120				

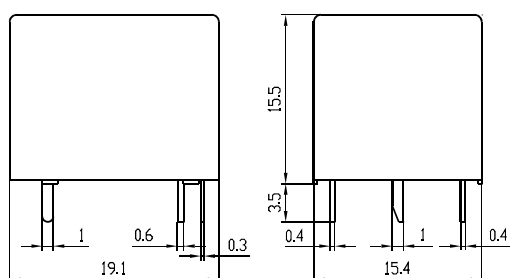
## 订货标记示例 ORDERING INFORMATION

YX202	-S	-1	12	D	M	F	
							温度等级 Temperature grade : 无-85度, F-105度 Nil-85 °C, F-105 °C
							触点形式 Contact form: 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
							线圈功耗 Coil power : D-0.36 W (0.45W 可选 optional)
							线圈规格 Coil voltage : 03,05,06,09,12,15,18,24,36,48,60 (VDC)
							触点组数 Number of poles : 1-1组 1-1 Group
							封装形式 Protective construction : S-塑封式 S-Flux proofed
							基本型号 Type designation : YX202

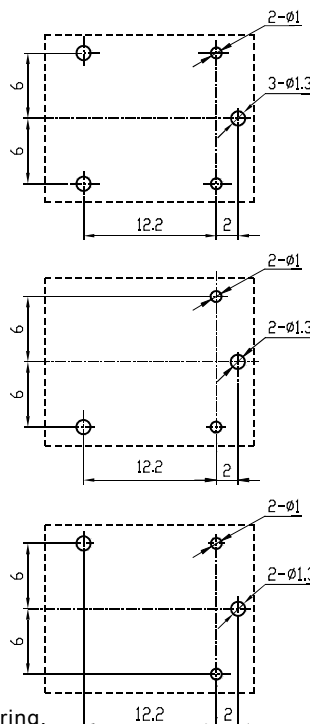
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

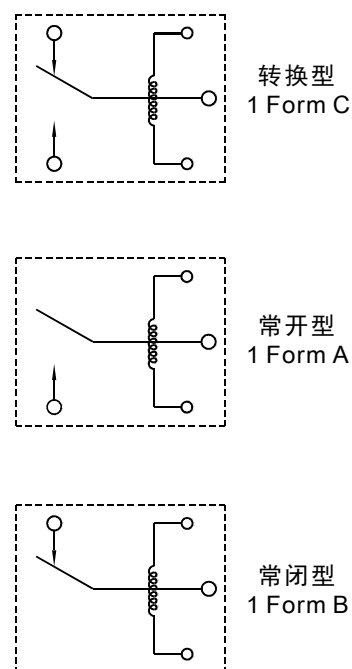
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )



注 Remark :

1. 未标注尺寸公差

Unmarked dimensional tolerance

≤1mm: ±0.2mm ;

(1~5)mm: ±0.3mm ;

≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.

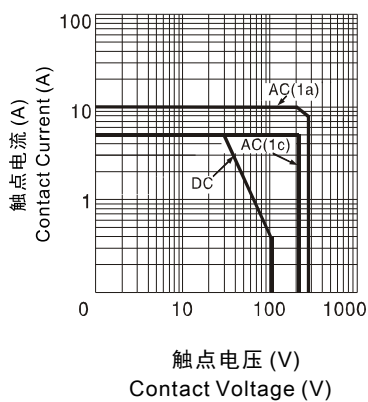
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

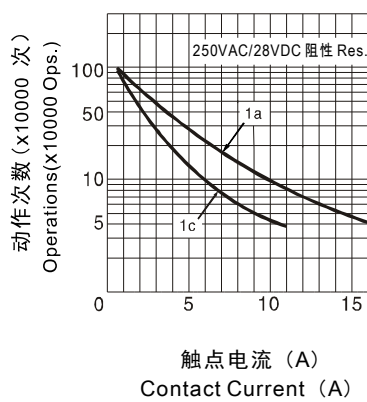
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

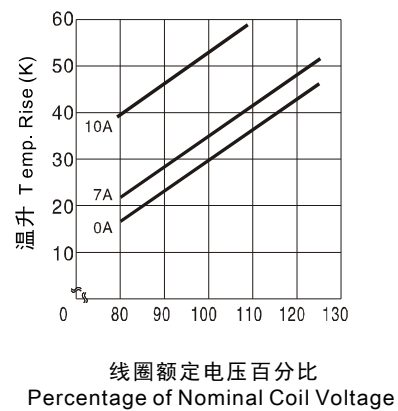
最大切换功率  
Max. Switching Power



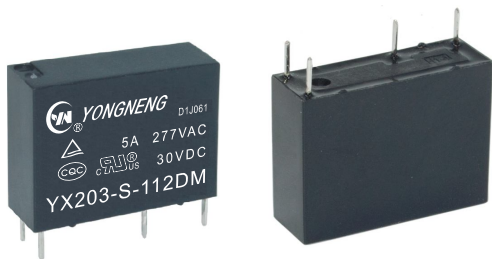
寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise






**特点 Features:**

- 触点容量: 7A触点切换能力  
Contact switching capability:7A.
- 宽度7mm, 适合高密度电路板  
7mm width suitable for high-density PCB mounting.
- 线圈与触点耐压: 4KV  
Dielectric Strength :4KV( between coil and contact).

**触点参数 CONTACT DATA**

型号	Model	YX203
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	5A 277VAC/30VDC
最大切换电流	Max. Switching Current	7A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	1385VA/150W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 750VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 3.2g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	40.0	125	额定电压的 130%	额定电压的 75%	额定电压的 5%	约 approx. 0.2
6	33.3	180				
9	22.2	405				
12	16.7	720				
18	11.1	1,620				
24	8.3	2,880				
5	72.0	69	额定电压的 130%	额定电压的 75%	额定电压的 5%	约 approx. 0.36
6	60.0	100				
9	40.0	225				
12	30.0	400				
18	20.0	900				
24	15.0	1,600				
48	7.5	6,400				

## 订货标记示例 ORDERING INFORMATION

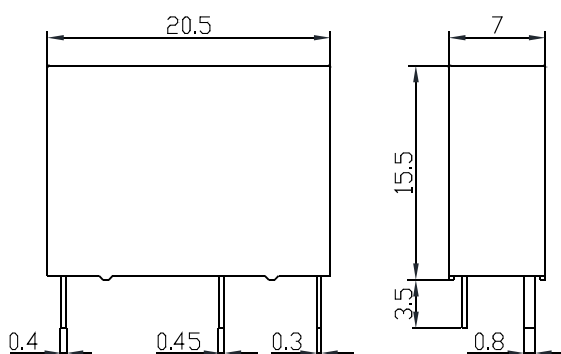
YX203	-S	-1	12	D	M	F	
							绝缘系统 Insulation system: 无-标准型 Nil-Standard, F-Class F
							触点形式 Contact form: M-常开, M-Form A
							线圈功耗 Coil power: D-0.2 W (0.36W 可选 optional)
							线圈规格 Coil voltage: 03,05,06,09,12,15,18,24,48 (VDC)
							触点组数 Number of poles: 1-1组 1-1 Group
							封装形式 Protective construction: S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type
							基本型号 Type designation: YX203

## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

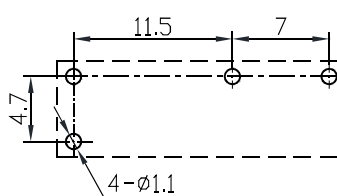
外形尺寸

Outline Dimensions



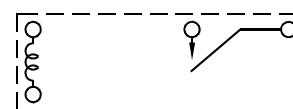
安装孔位图 (底视图)

PCB Layout (Bottom View)



接线图 (底视图)

Wiring Diagram (Bottom View)

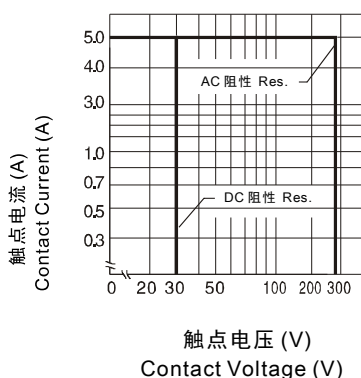


注 Remark:

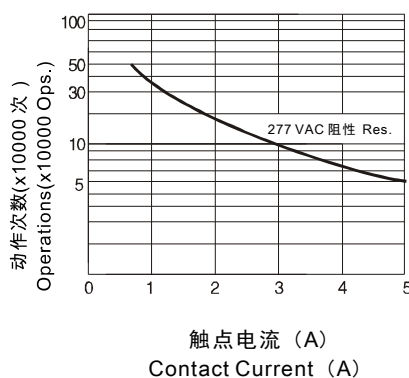
1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$ ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$ ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

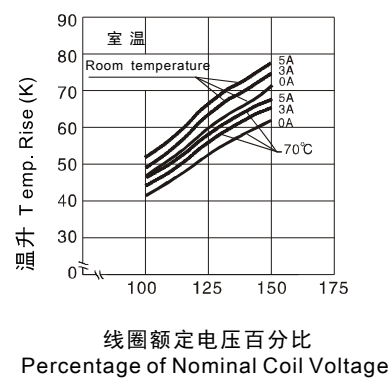
最大切换功率  
Max. Switching Power

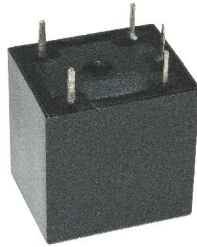


寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 15A触点切换能力  
Contact switching capability: 15A.
- 可提供符合 IEC 60335-1 要求的产品  
Product comply with IEC 60335-1 available.
- 外形尺寸: (20.3X16.6X20.3mm)  
Outline Dimensions: (20.3X16.6X20.3mm).

**触点参数 CONTACT DATA**

型号	Model	YX205
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	10A 250VAC/30VDC; 15A 125VAC
最大切换电流	Max. Switching Current	15A
最大切换电压	Max. Switching Voltage	250VAC/30VDC
最大切换功率	Max. Switching Power	2500VA/300W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 1,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 12.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	120.0	25	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
5	71.4	70				
6	60.0	100				
9	40.0	225				
12	30.0	400				
15	24.0	625				
18	20.0	900				
24	15.0	1,600				
48	7.5	6,400				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	150.0	20	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.45
5	89.3	56				
6	75.0	80				
9	50.0	180				
12	37.5	320				
15	30.0	500				
18	25.0	720				
24	18.8	1,280				
48	9.4	5,120				

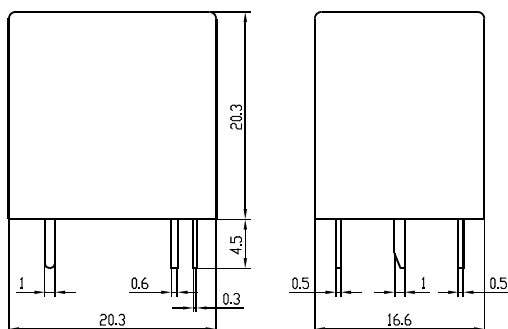
## 订货标记示例 ORDERING INFORMATION

YX205	-S	-1	12	D	M	
触点形式 Contact form :		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B				
线圈功耗 Coil power :		D-0.36W (0.45W 可选 optional)				
线圈规格 Coil voltage :		03,05,06,09,12,15,18,24,48 (VDC)				
触点组数 Number of poles :		1-1组 1-1 Group				
封装形式 Protective construction :		S-塑封式 S-Flux proofed				
基本型号 Type designation :		YX205				

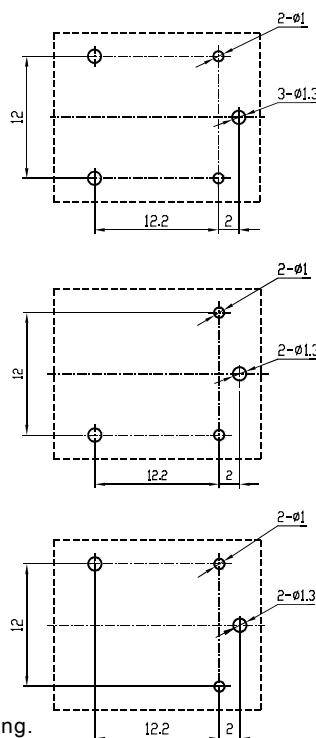
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

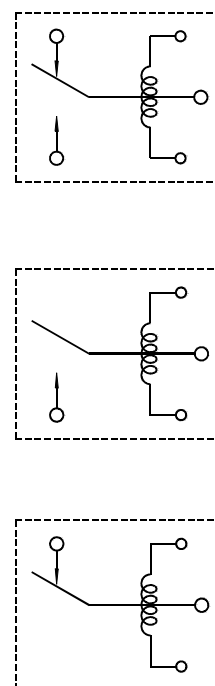
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)  
Wiring Diagram (Bottom View)



转换型  
1 Form C

常开型  
1 Form A

常闭型  
1 Form B

注 Remark :

1. 未标注尺寸公差

Unmarked dimensional tolerance

≤1mm: ±0.2mm ;

(1~5)mm: ±0.3mm ;

≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.

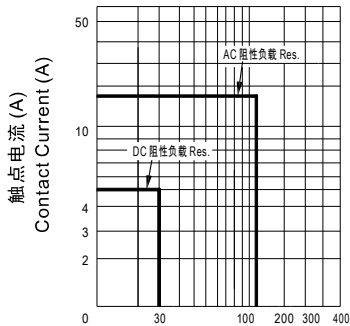
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

Extended terminal dimension is dimension before soldering.

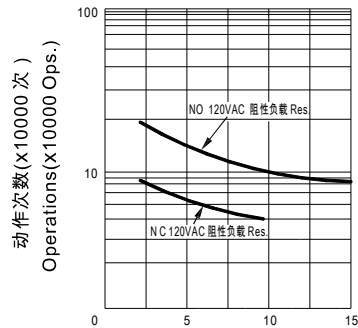
## 性能曲线图 CHARACTERISTIC CURVES

最大切换功率  
Max. Switching Power



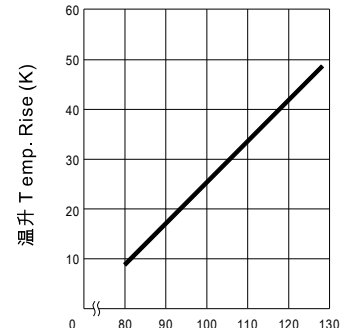
触点电压 (V)  
Contact Voltage (V)

寿命曲线  
Endurance Curve

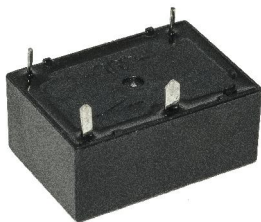


触点电流 (A)  
Contact Current (A)

线圈温升  
Coil Temperature Rise



线圈额定电压百分比  
Percentage of Nominal Coil Voltage


**特点 Features:**

- 高触点容量: 16A触点切换能力.  
High contact switching capability: 16A.
- 高灵敏型: 200mw.  
High Sensitivity type: 200mw
- 低高度: 10.5mm.  
Low height: 10.5mm.

**触点参数 CONTACT DATA**

型号	Model	YX206F
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	8ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 2,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 8.8g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	67	45	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.2
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
18	11.1	1620				
24	8.3	2,880				
48	7.1	6,770				约 approx. 0.34

## 订货标记示例 ORDERING INFORMATION

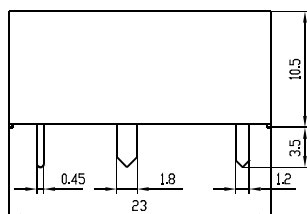
YX206F	-S	-1	12	D	M	
触点形式 Contact form :		M-常开 M-Form A				
线圈功耗 Coil power :		D-0.2 W				
线圈规格 Coil voltage :		03,05,06,09,12,18,24,48 (VDC)				
触点组数 Number of poles :		1-1组 1-1 Group				
封装形式 Protective construction :		S-塑封式 S-Flux proofed				
基本型号 Type designation :		YX206F				

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

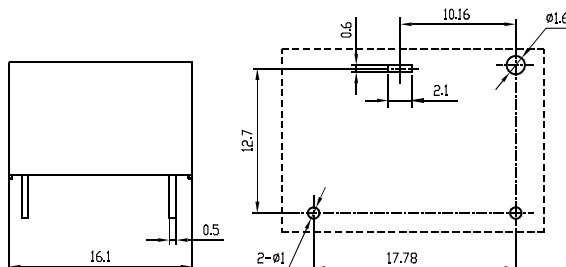
外形尺寸

Outline Dimensions



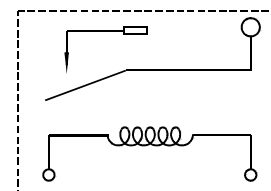
安装孔位图 (底视图)

PCB Layout ( Bottom View )



接线图 (底视图)

Wiring Diagram ( Bottom View )



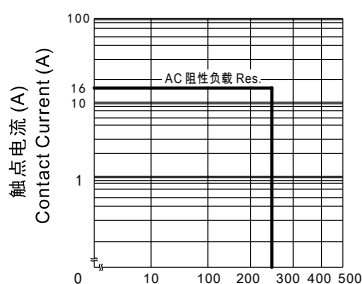
常开型  
1 Form A

注 Remark :

- 1.未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
- 2.安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 3.引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

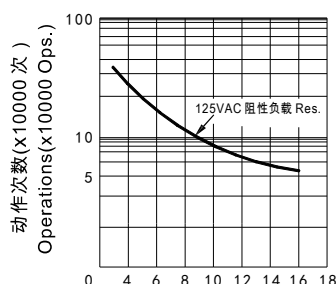
## 性能曲线图 CHARACTERISTIC CURVES

最大切换功率  
Max. Switching Power



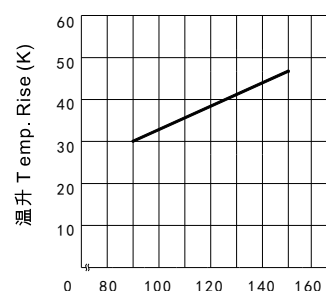
触点电压 (V)  
Contact Voltage (V)

寿命曲线  
Endurance Curve

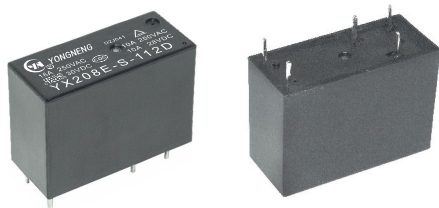


触点电流 (A)  
Contact Current (A)

线圈温升  
Coil Temperature Rise



线圈额定电压百分比  
Percentage of Nominal Coil Voltage


**特点 Features:**

- 高触点容量: 16A触点切换能力  
High switching capability :16A.
- 可提供符合 IEC 60335-1 标准产品  
Product comply with IEC 60335-1 available.
- 高耐压 5KV  
Dielectric Strength:5KV(between coil&contacts).

**触点参数 CONTACT DATA**

型号	Model	YX208E
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	20A
最大切换电压	Max. Switching Voltage	250VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	8ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts : 5000VAC, 50/60Hz 1 min
抗振性	Vibration resistance	误动作 Functional: 10~50Hz 双振幅1.5mm ( DA )
		耐久 Destructive: 10~50Hz 双振幅1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 13.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	108.0	46	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.54
6	90.0	67				
9	60.0	150				
12	45.0	270				
18	30.0	600				
24	22.5	1,067				
48	11.3	4,267	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.72
5	144.0	35				
6	120.0	50				
9	80.0	113				
12	60.0	200				
18	40.0	450				
24	30.0	800				
48	15.0	3,200				



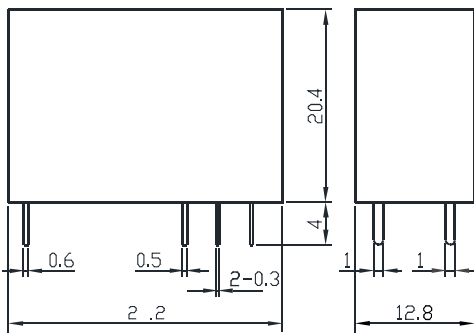
## 订货标记示例 ORDERING INFORMATION

YX208E	-S	-1	12	D	M	
触点形式 Contact form :		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B				
线圈功耗 Coil power :		D-0.54W ( 0.72W 可选 optional )				
线圈规格 Coil voltage :		05,06,09,12,18,24,48 (VDC)				
触点组数 Number of poles :		1-1组 1-1 Group				
封装形式 Protective construction :		S-塑封式 S-Flux proofed				
基本型号 Type designation :		YX208E				

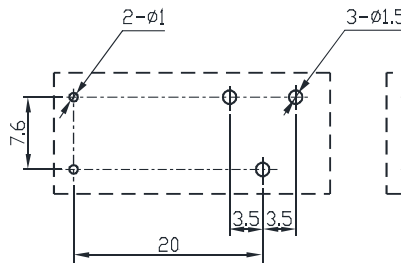
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions



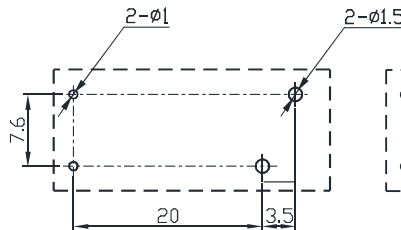
安装孔位图 (底视图)  
PCB Layout ( Bottom View)



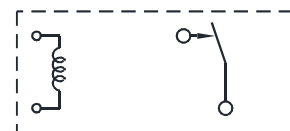
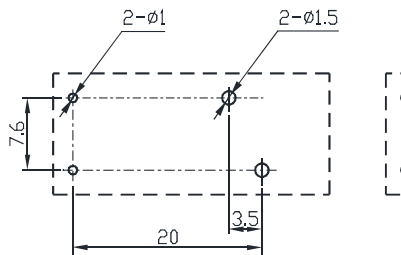
接线图 (底视图)  
Wiring Diagram ( Bottom View)



转换型  
1 Form C



常开型  
1 Form A



常闭型  
1 Form B

注 Remark :

1.未标注尺寸公差

Unmarked dimensional tolerance

- ≤1mm: ±0.2mm ;
- (1~5)mm: ±0.3mm ;
- ≥5mm: ±0.4mm.

2.安装孔尺寸公差: ±0.1mm.

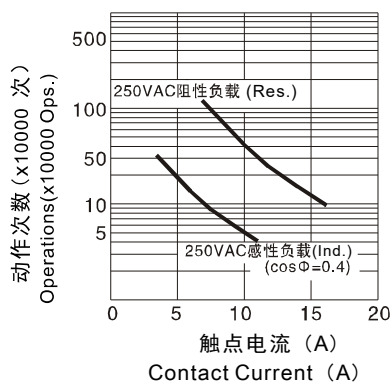
The tolerance of PCB layout is always: ±0.1mm.

3.引出脚尺寸为预焊前尺寸.

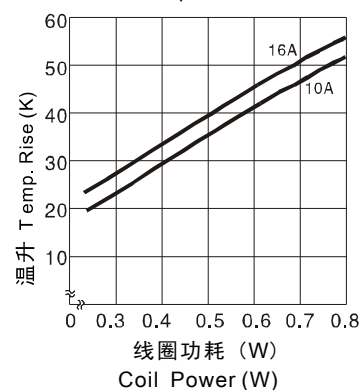
Extended terminal dimension is dimension before soldering.

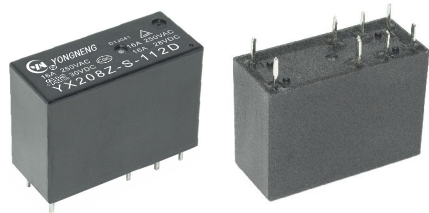
## 性能曲线图 CHARACTERISTIC CURVES

寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 高触点容量:16A触点切换能力  
High switching capability :16A.
- 可提供符合 IEC 60335-1 标准产品  
Product comply with IEC 60335-1 available.
- 高耐压 5KV  
Dielectric Strength:5KV(between coil&contacts).

**触点参数 CONTACT DATA**

型号	Model	YX208Z
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	250VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	8ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 5000VAC, 50/60Hz 1 min
抗振性	Vibration resistance	误动作 Functional: 10~50Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~50Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 13.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	108.0	46	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.54
6	90.0	67				
9	60.0	150				
12	45.0	270				
18	30.0	600				
24	22.5	1,067				
48	11.3	4,267	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.72
5	144.0	35				
6	120.0	50				
9	80.0	113				
12	60.0	200				
18	40.0	450				
24	30.0	800				
48	15.0	3,200				

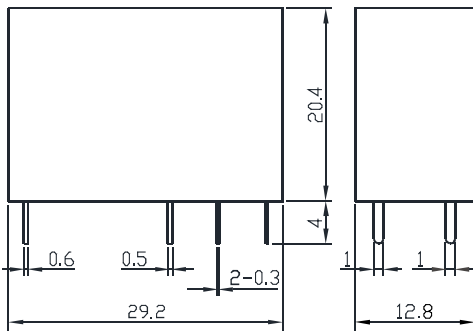
## 订货标记示例 ORDERING INFORMATION

YX208Z	-S	-1	12	D	M	
				触点形式 Contact form:		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
				线圈功耗 Coil power:		D-0.54 W (0.72W 可选 Optional)
				线圈规格 Coil voltage:		05,06,09,12,18,24,48 (VDC)
				触点组数 Number of poles:		1-1组 1-1 Group
				封装形式 Protective construction:		S-塑封式 S-Flux proofed
				基本型号 Type designation:		YX208Z

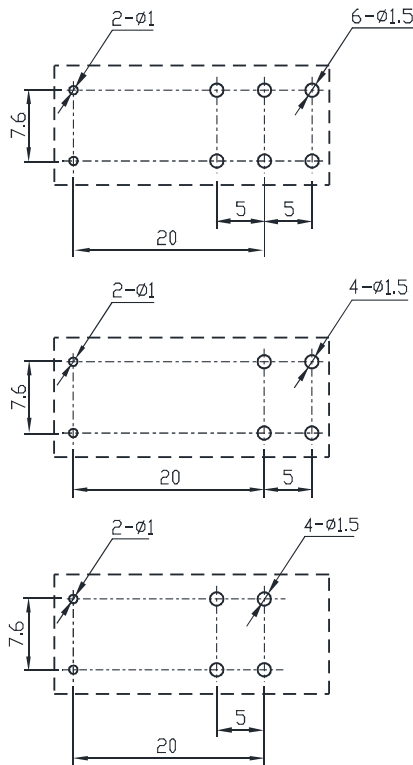
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

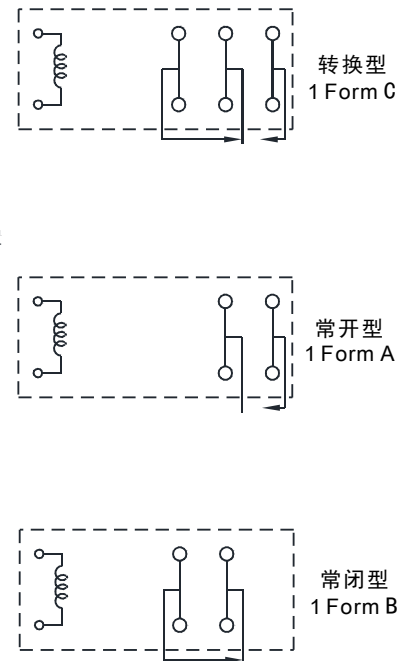
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)  
Wiring Diagram (Bottom View)

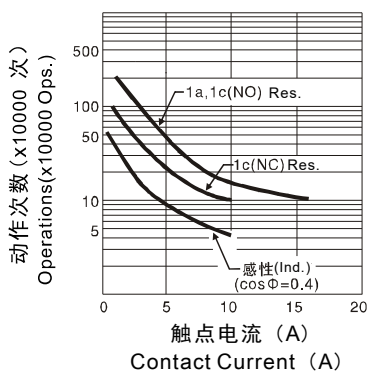


注 Remark:

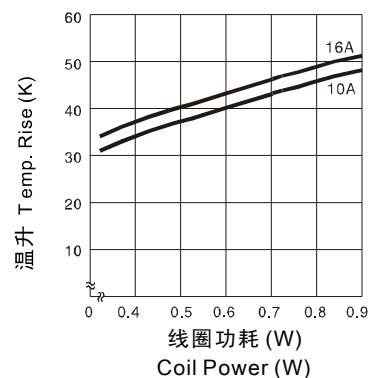
- 未标注尺寸公差  
Unmarked dimensional tolerance  
  - ≤1mm: ±0.2mm;
  - (1~5)mm: ±0.3mm;
  - ≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸。  
Extended terminal dimension is dimension before soldering.

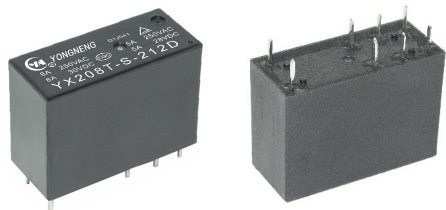
## 性能曲线图 CHARACTERISTIC CURVES

寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 触点容量:8A触点切换能力  
Switching capability:8A.
- 两组转换触点形式  
2 transfer contact configuration.
- 高耐压 5KV  
Dielectric Strength:5KV(between coil&contacts)

**触点参数 CONTACT DATA**

型号	Model	YX208T
触点形式	Contact Arrangement	2A、2B、2C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	8A 250VAC/30VDC
最大切换电流	Max. Switching Current	8A
最大切换电压	Max. Switching Voltage	250VAC/30VDC
最大切换功率	Max. Switching Power	2000VA/240W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	8ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts : 5000VAC, 50/60Hz 1 min
		触点组与组之间 Between Contact sets : 1500VAC, 50/60Hz 1 min
抗振性	Vibration resistance	误动作 Functional: 10~50Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~50Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 14.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	108.0	46	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约approx 0.54
6	90.0	67				
9	60.0	150				
12	45.0	270				
18	30.0	600				
24	22.5	1,067				
48	11.3	4,267	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约approx 0.72
5	144.0	35				
6	120.0	50				
9	80.0	113				
12	60.0	200				
18	40.0	450				
24	30.0	800				
48	15.0	3,200				

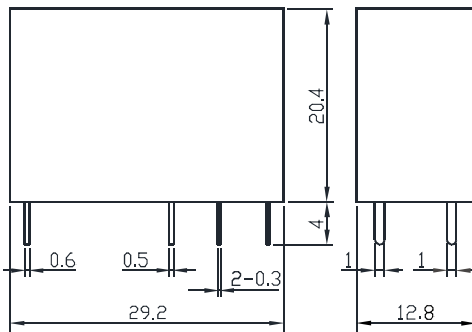
## 订货标记示例 ORDERING INFORMATION

YX208T	-S	-2	12	D	M	
						触点形式 Contact form : 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
						线圈功耗 Coil power : D-0.54W (0.72W 可选 optional)
						线圈规格 Coil voltage : 05,06,09,12,18,24,48 (VDC)
						触点组数 Number of poles : 2-2组 2-2 Group
						封装形式 Protective construction : S-塑封式 S-Flux proofed
						基本型号 Type designation : YX208T

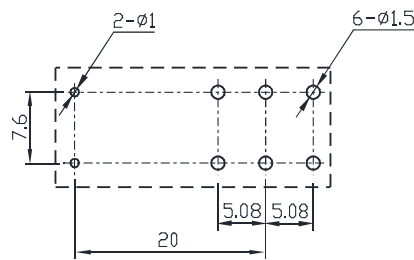
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

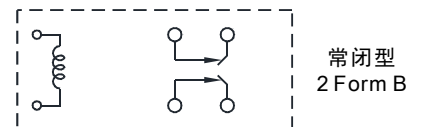
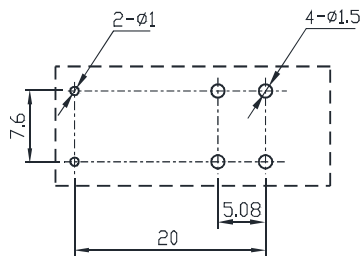
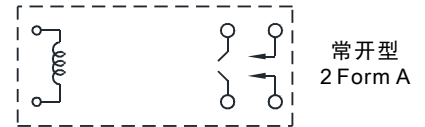
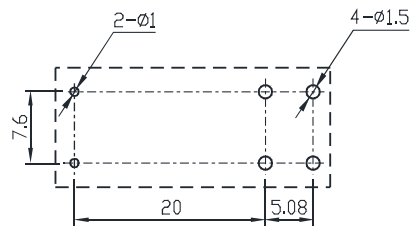
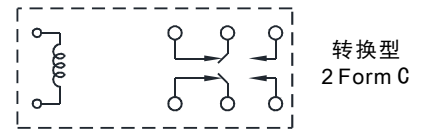
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)  
Wiring Diagram (Bottom View)

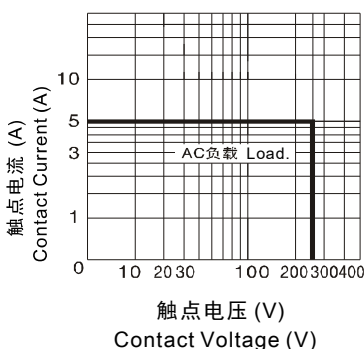


注 Remark :

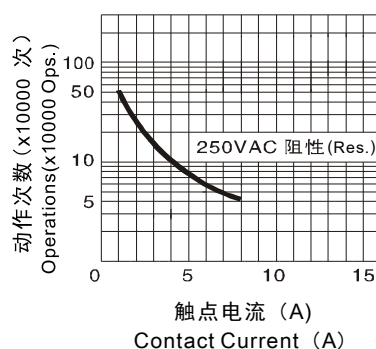
- 未标注尺寸公差  
Unmarked dimensional tolerance  
  - ≤1mm: ±0.2mm ;
  - (1~5)mm: ±0.3mm ;
  - ≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸。  
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

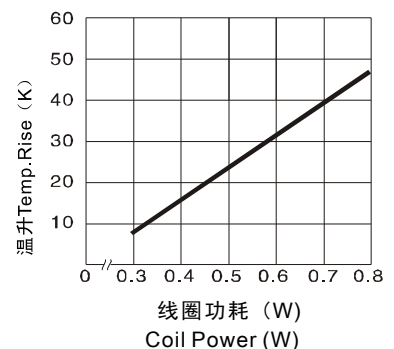
最大切换功率  
Max. Switching Power

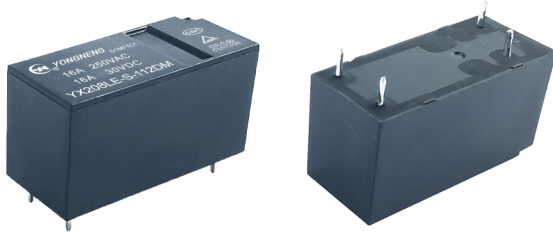


寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 高触点容量:16A触点切换能力  
High switching capability:16A.
- 低高度 Low height:15.4mm
- 高耐压 5KV  
Dielectric Strength:5KV(between coil&contacts)

**触点参数 CONTACT DATA**

型号	Model	YX208LE
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts : 5000VAC, 50/60Hz 1 min
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 10.0g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	133.3	23	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 Approx. 0.4
5	80.0	63				
6	66.7	90				
9	44.4	203				
12	33.3	360				
15	26.7	563				
18	22.2	810				
24	16.7	1,440				
36	11.1	3,240				
48	8.3	5,760				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	180.0	17	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.54
5	108.0	46				
6	90.0	67				
9	60.0	150				
12	45.0	267				
15	36.0	417				
18	22.0	600				
24	22.5	1,067				
36	15.0	2,400				
48	11.3	4,267				

## 订货标记示例 ORDERING INFORMATION

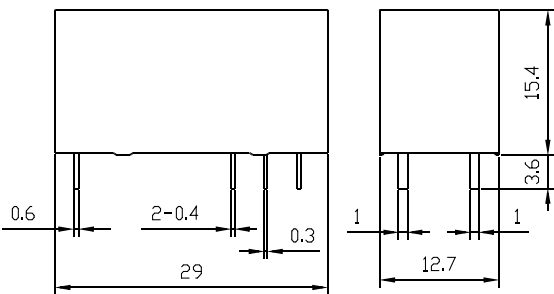
YX208LE	-S	-1	12	D	M	
触点形式 Contact form :		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B				
线圈功耗 Coil power :		D-0.4 W, H-0.54W				
线圈规格 Coil voltage :		03,05,06,09,12,15,18,24,36,48 (VDC)				
触点组数 Number of poles :		1-1组 1-1 Group				
封装形式 Protective construction :		S-塑封式 S-Flux proofed				
基本型号 Type designation :		YX208LE				

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

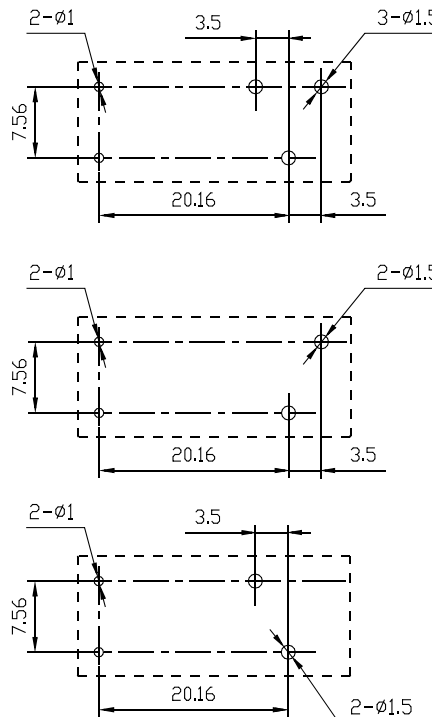
外形尺寸

Outline Dimensions



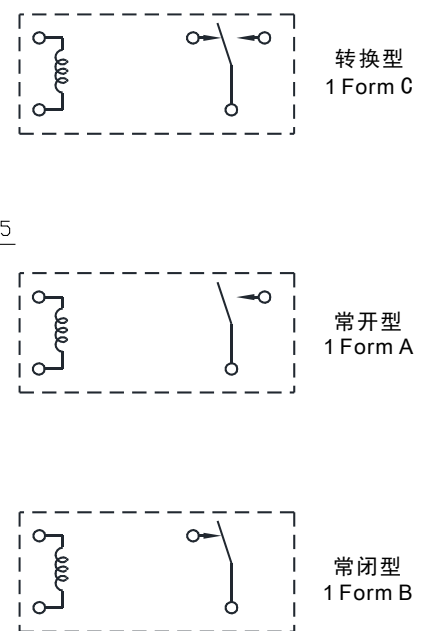
安装孔位图 (底视图)

PCB Layout ( Bottom View )



接线图 (底视图)

Wiring Diagram ( Bottom View )

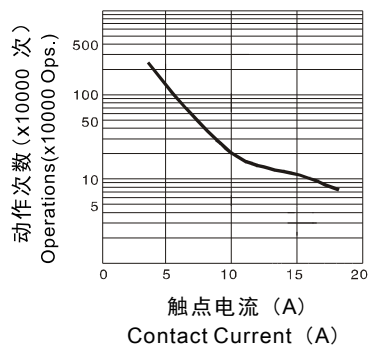


注 Remark :

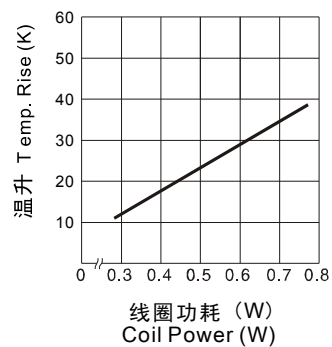
- 未标注尺寸公差  
Unmarked dimensional tolerance  
≤1mm: ±0.2mm ;  
(1~5)mm: ±0.3mm ;  
≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise






**特点 Features:**

- 高触点容量:16A触点切换能力  
High switching capability:16A.
- 低高度 Low height:15.4mm
- 高耐压 5KV  
Dielectric Strength:5KV(between coil&contacts)

**触点参数 CONTACT DATA**

型号	Model	YX208LZ
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	20A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts : 5000VAC, 50/60Hz 1 min
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 10.0g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	133.3	23	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 Approx. 0.4
5	80.0	63				
6	66.7	90				
9	44.4	203				
12	33.3	360				
15	22.0	563				
18	22.0	810				
24	16.7	1,440				
36	11.1	3,240				
48	8.3	5,760				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	180.0	17	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 Approx. 0.54
5	108.0	46				
6	90.0	67				
9	60.0	150				
12	45.0	267				
15	22.0	417				
18	22.0	600				
24	22.5	1,067				
36	15.0	2,400				
48	11.3	4,267				

## 订货标记示例 ORDERING INFORMATION

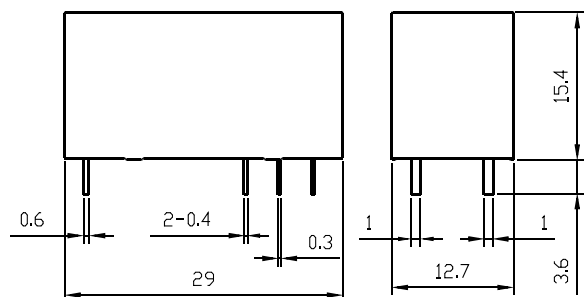
YX208LZ	-S	-1	12	D	M	
触点形式 Contact form :		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B				
线圈功耗 Coil power :		D-0.4 W, H-0.54W				
线圈规格 Coil voltage :		03,05,06,09,12,15,18,24,36,48 (VDC)				
触点组数 Number of poles :		1-1组 1-1 Group				
封装形式 Protective construction :		S-塑封式 S-Flux proofed				
基本型号 Type designation :		YX208LZ				

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

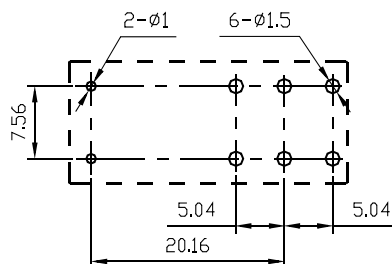
外形尺寸

Outline Dimensions



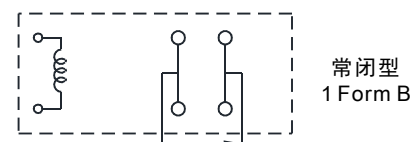
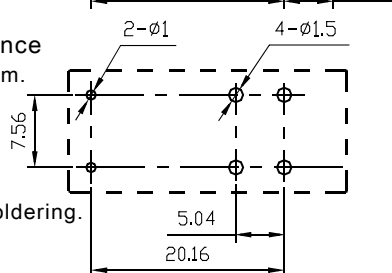
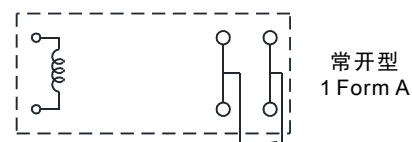
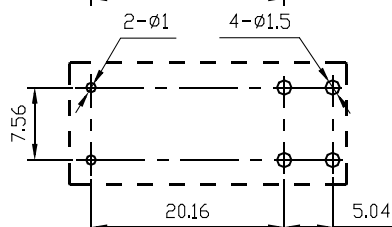
安装孔位图 (底视图)

PCB Layout (Bottom View)



接线图 (底视图)

Wiring Diagram (Bottom View)

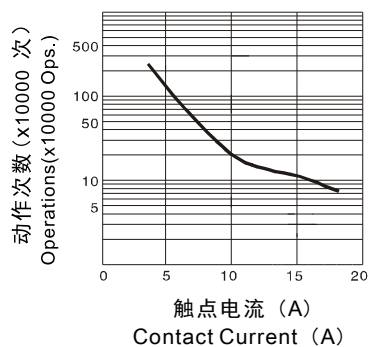


注 Remark :

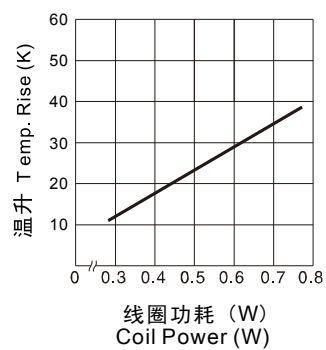
- 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸。  
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 高触点容量:8A触点切换能力  
High switching capability:8A.
- 低高度 Low height:15.4mm
- 高耐压 5KV  
Dielectric Strength:5KV(between coil&contacts)

**触点参数 CONTACT DATA**

型号	Model	YX208LT
触点形式	Contact Arrangement	2A、2B、2C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	8A 250VAC/30VDC
最大切换电流	Max. Switching Current	8A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	2000VA/240W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下) Operate Time ( at nomi.volt. )	15ms Max.	
释放时间(不带二极管) Release Time ( without diode )	10ms Max.	
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 5000VAC, 50/60Hz 1 min
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 10g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	133.3	23	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 Approx. 0.4
5	80.0	63				
6	66.7	90				
9	44.4	203				
12	33.3	360				
15	26.7	563				
18	22.2	810				
24	16.7	1,440				
36	11.1	3,240				
48	8.3	5,760				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	180.0	17	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 Approx. 0.54
5	108.0	46				
6	90.0	67				
9	60.0	150				
12	45.0	267				
15	22.0	417				
18	22.0	600				
24	22.5	1,067				
36	15.0	2,400				
48	11.3	4,267				

## 订货标记示例 ORDERING INFORMATION

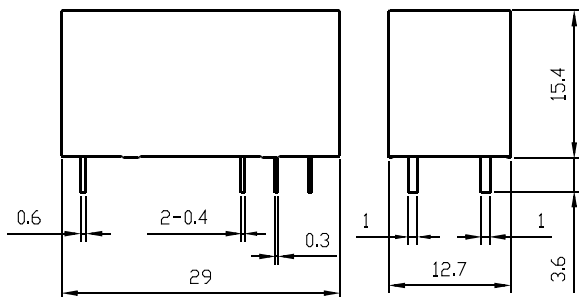
YX208LT	-S	-2	12	D	M	
触点形式 Contact form:		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B				
线圈功耗 Coil power:		D-0.4 W, H-0.54W				
线圈规格 Coil voltage:		03,05,06,09,12,15,18,24,36,48 (VDC)				
触点组数 Number of poles:		2-2组 2-2 Group				
封装形式 Protective construction:		S-塑封式 S-Flux proofed				
基本型号 Type designation:		YX208LT				

## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

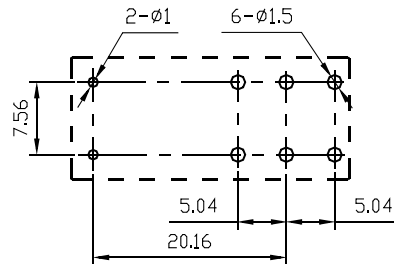
外形尺寸

Outline Dimensions



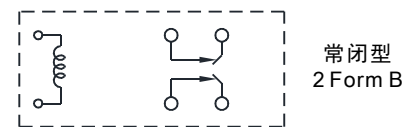
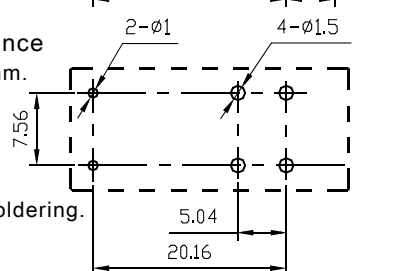
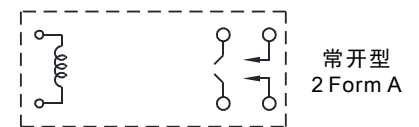
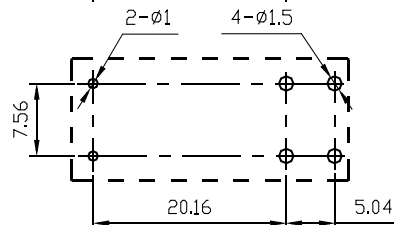
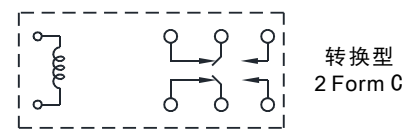
安装孔位图 (底视图)

PCB Layout (Bottom View)



接线图 (底视图)

Wiring Diagram (Bottom View)

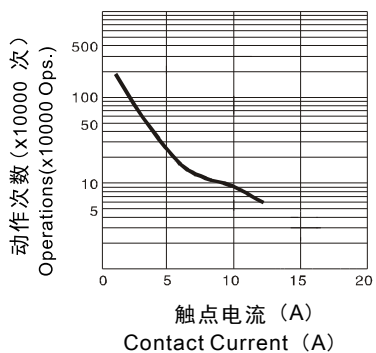


注 Remark:

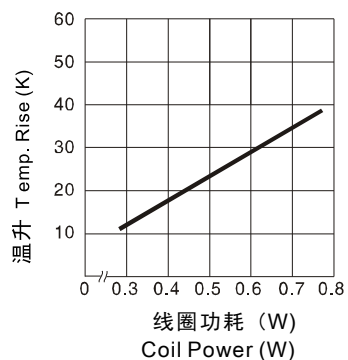
- 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm; (1~5)mm: ±0.3mm; ≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

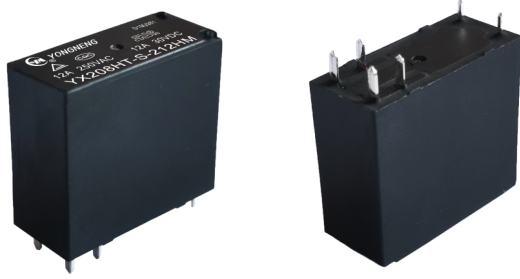
## 性能曲线图 CHARACTERISTIC CURVES

寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise





### 特点 Features :

- 高触点容量：12A触点切换能力  
high switching capability: 12A.
- 高耐压  
Dielectric Strength: 5KV (between coil & contacts).
- 可提供1.5mm (最大2.0mm) 触点间隙规格的产品  
Products with contact gap specification of 1.5mm (maximum 2.0) can be provided

### 触点参数 CONTACT DATA

型号	Model	YX208HT
触点形式	Contact Arrangement	2A, 2C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载 (阻性)	Contact Rating ( Res. Load )	12A 250VAC/30VDC
最大切换电流	Max. Switching Current	12A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	3000VA/360W
机械寿命	Mechanical endurance	1×10 <sup>6</sup> 次 OPS
电气寿命	Electrical endurance	5×10 <sup>4</sup> 次 OPS

### 性能参数 CHARACTERISTICS

吸合时间 (额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间 (不带二极管)	Release Time ( without diode )	8ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min. ( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts : 5000VAC, 50/60Hz 1 min
		触点组与组之间 Between Contact sets : 3000VAC, 50/60Hz 1 min
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 17.3g

### 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	266.7	11	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 Approx. 0.8
5	160.0	31				
6	133.3	45				
9	88.9	101				
12	66.7	180				
15	22.0	281				
18	22.0	405				
24	33.3	720				
36	22.2	1620				
48	16.7	2880				

## 订货标记示例 ORDERING INFORMATION

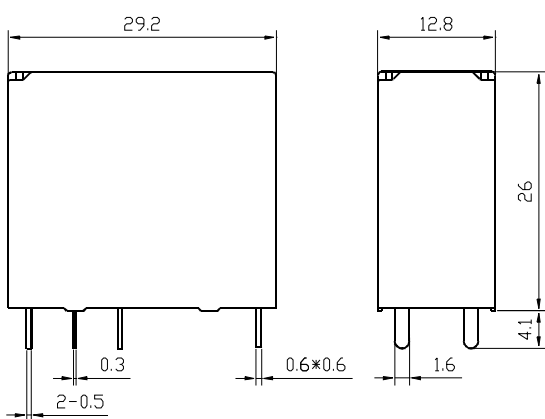
YX208HT	-S	-2	12	H	M	
				触点形式 Contact form :		无-转换, M-常开 Nil-Form C, M-Form A
				线圈功耗 Coil power :		H-0.8W ( 1.4W 可选 optional )
				线圈规格 Coil voltage :		03,05,06,09,12,15,18,24,36,48 (VDC)
				触点组数 Number of poles :		2-2组 2-2 Group
				封装形式 Protective construction :		S-塑封式 S-Flux proofed
				基本型号 Type designation :		YX208HT

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

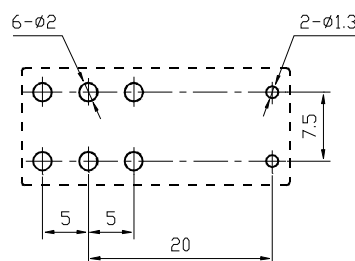
外形尺寸

Outline Dimensions



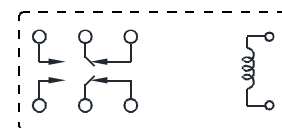
安装孔位图 (底视图)

PCB Layout ( Bottom View )

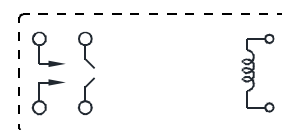
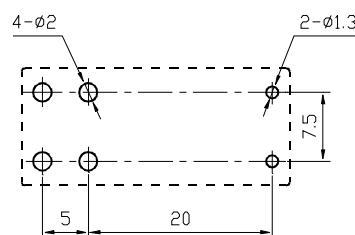
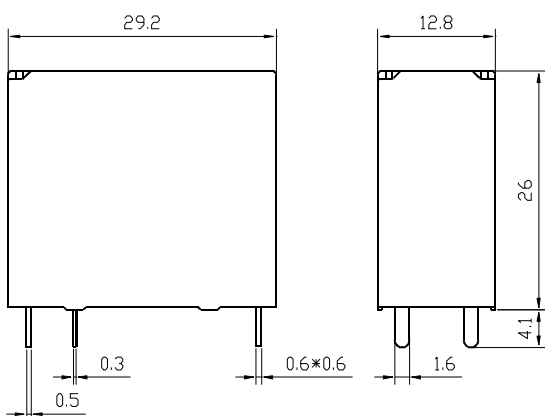


接线图 (底视图)

Wiring Diagram ( Bottom View )



转换型  
2 Form C

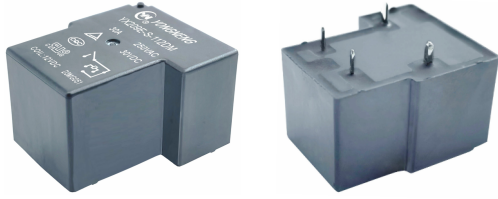


常开型  
2 Form A

### 注 Remark :

- 1.未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}: \pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}: \pm 0.3\text{mm}$  ;  $\geq 5\text{mm}: \pm 0.4\text{mm}$ .
- 2.安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
- 3.引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.




**特点 Features:**

- 高负载能力40A  
High switching capability:40A.
- 可供密封型和敞开型  
Sealed type and open type available.
- 可供4KV耐压  
Dielectric strength:4KV optional (between coil & contacts).

**触点参数 CONTACT DATA**

型号	Model	YX209E
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	40A/30A 250VAC/30VDC
最大切换电流	Max. Switching Current	40A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	10000VA/1200W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 2,500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min. ( 4KV )
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 26g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	300.0	10	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.9
5	180.0	28				
6	150.0	40				
9	100.0	90				
12	75.0	160				
15	60.0	250				
18	50.0	360				
24	37.5	640				
36	25.0	1,440				
48	18.8	2,560				
60	15.0	4,000				
72	12.5	5,760				
110	8.2	13,444				

线圈参数 COIL DATA (at 23°C)						
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	533.3	6	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 1.6
5	320.0	16				
6	266.7	23				
9	177.8	51				
12	133.3	90				
15	106.7	141				
18	88.9	203				
24	66.7	360				
36	44.4	810				
48	33.3	1,440				
60	26.7	2,250				
72	22.2	3,240				
110	14.5	7,563				

线圈参数 COIL DATA (at 23°C)						
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	750.0	4	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 2.25
5	450.0	11				
6	375.0	16				
9	250.0	36				
12	187.5	64				
15	150.0	100				
18	125.0	144				
24	93.8	256				
36	62.5	576				
48	46.9	1,024				
60	37.5	1,600				
72	31.3	2,304				
110	20.5	5,378				

线圈参数 COIL DATA (at 23°C)						
额定电压 Rated voltage (VAC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VAC (Max.)	吸合电压 Operate voltage VAC (Max.)	释放电压 Release voltage VAC (Min.)	额定功率 Rated coil power (W)
6	250.0	8	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 80 %	额定电压的 of rated voltage 30 %	约 approx. 1.5VA
12	125.0	34				
24	62.5	134				
48	31.3	538				
110	13.6	2,823				
220	6.8	11,293				

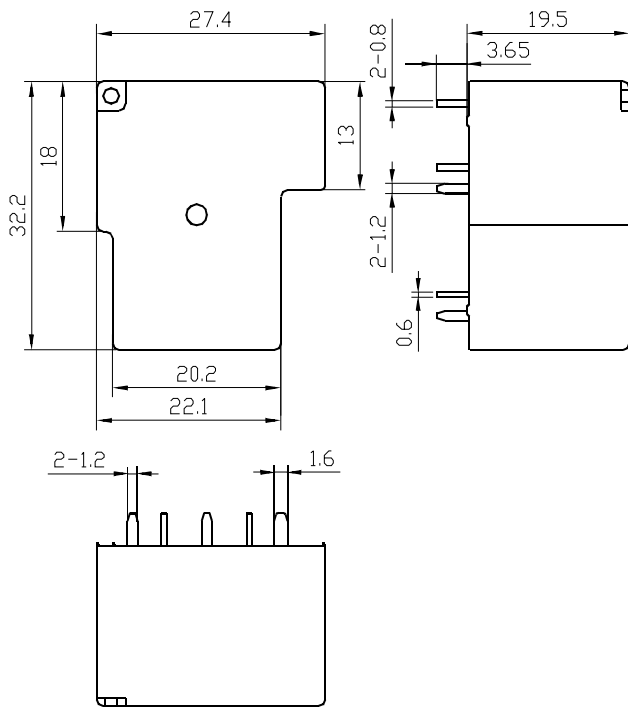
## 订货标记示例 ORDERING INFORMATION

YX209E	-S	-1	12	D	M	X	
							特殊参数 Special parameters: 无-标准型, 字母或数字-特殊要求
							触点形式 Contact form: 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
							线圈功耗 Coil power: D-直流DC 0.9 W, H-直流DC 1.6 W, G-直流DC 2.25 W, A-交流AC 1.5VA
							线圈规格 Coil voltage: 03,05,06,09,12,15,18,24,36,48,60,72,110 (VDC) 06,12,24,48,110,220 (VAC)
							触点组数 Number of poles: 1-1组 1-1 Group
							封装形式 Protective construction: S-塑封式 S-Flux proofed
							基本型号 Type designation: YX209E

## 外形尺寸、接线图、安装孔位图 (单位: mm)

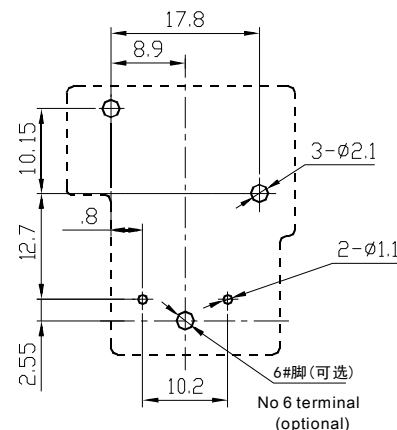
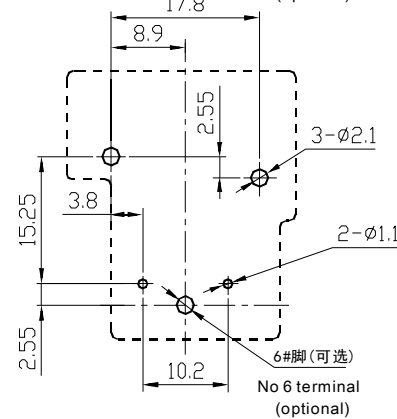
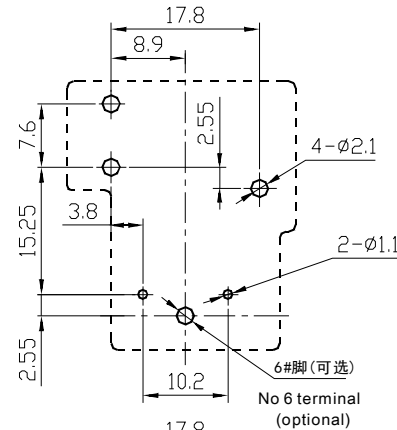
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

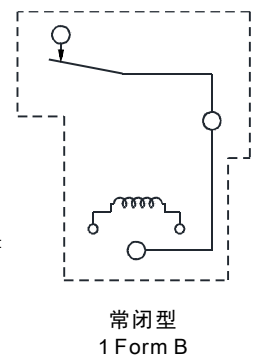
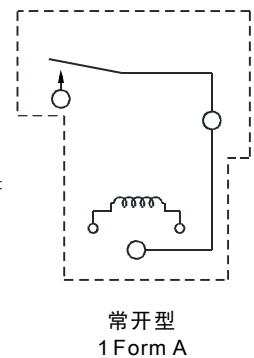
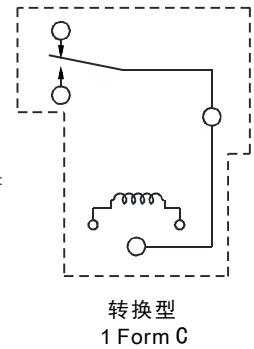


标准型  
Standard type

安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)  
Wiring Diagram (Bottom View)

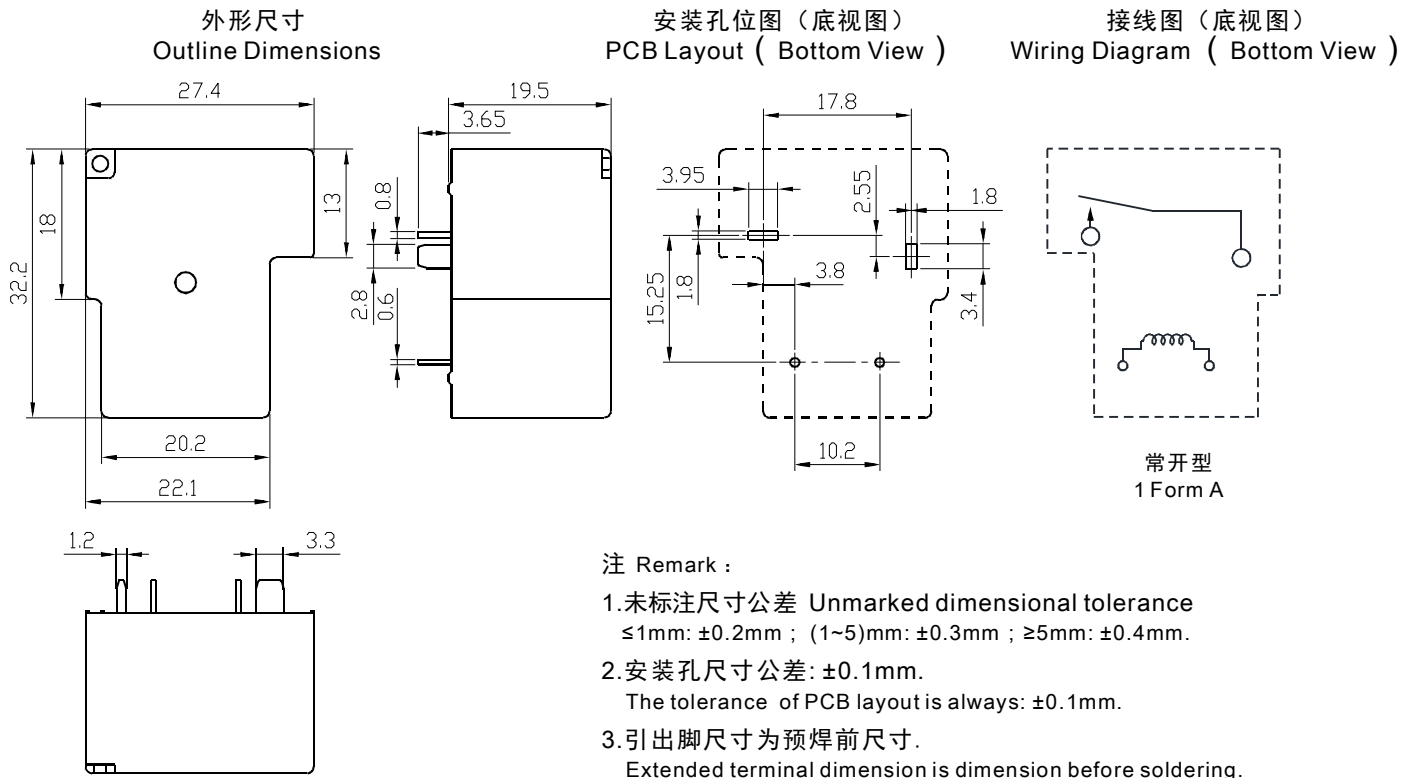


注 Remark:

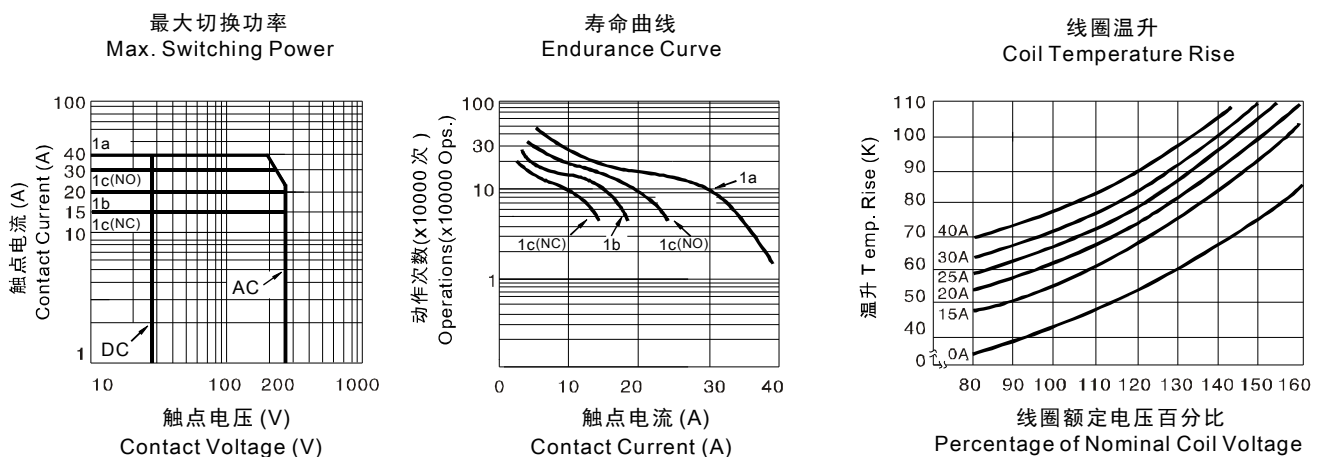
- 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$ ; (1~5)mm:  $\pm 0.3\text{mm}$ ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
- 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
- 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

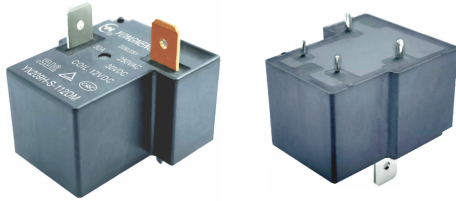
## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)



## 性能曲线图 CHARACTERISTIC CURVES




**特点 Features:**

- 高负载能力40A  
High switching capability:40A.
- 可供密封型和敞开型  
Sealed type and open type available.
- 可供4KV耐压  
Dielectric strength:4KV optional (between coil & contacts).

**触点参数 CONTACT DATA**

型号	Model	YX209H
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	40A/30A 250VAC/30VDC
最大切换电流	Max. Switching Current	40A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	10000VA/1200W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	15ms Max.
释放时间(不带二极管)	Release Time ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 2,500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min. ( 4KV )
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40℃~+105℃ (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 28.0g

**线圈参数 COIL DATA (at 23℃)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	300.0	10	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.9
5	180.0	28				
6	150.0	40				
9	100.0	90				
12	75.0	160				
15	60.0	250				
18	50.0	360				
24	37.5	640				
36	25.0	1,440				
48	18.8	2,560				
60	15.0	4,000				
72	12.5	5,760				
110	8.2	13,444				

线圈参数 COIL DATA (at 23°C)						
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	533.3	6	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 1.6
5	320.0	16				
6	266.7	23				
9	177.8	51				
12	133.3	90				
15	106.7	141				
18	88.9	203				
24	66.7	360				
36	44.4	810				
48	33.3	1,440				
60	26.7	2,250				
72	22.2	3,240				
110	14.5	7,563				

线圈参数 COIL DATA (at 23°C)						
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	750.0	4	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 2.25
5	450.0	11				
6	375.0	16				
9	250.0	36				
12	187.5	64				
15	150.0	100				
18	125.0	144				
24	93.8	256				
36	62.5	576				
48	46.9	1,024				
60	37.5	1,600				
72	31.3	2,304				
110	20.5	5,378				

线圈参数 COIL DATA (at 23°C)						
额定电压 Rated voltage (VAC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VAC (Max.)	吸合电压 Operate voltage VAC (Max.)	释放电压 Release voltage VAC (Min.)	额定功率 Rated coil power (W)
6	250.0	8	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 80 %	额定电压的 of rated voltage 30 %	约 approx. 1.5VA
12	125.0	34				
24	62.5	134				
48	31.3	538				
110	13.6	2,823				
220	6.8	11,293				

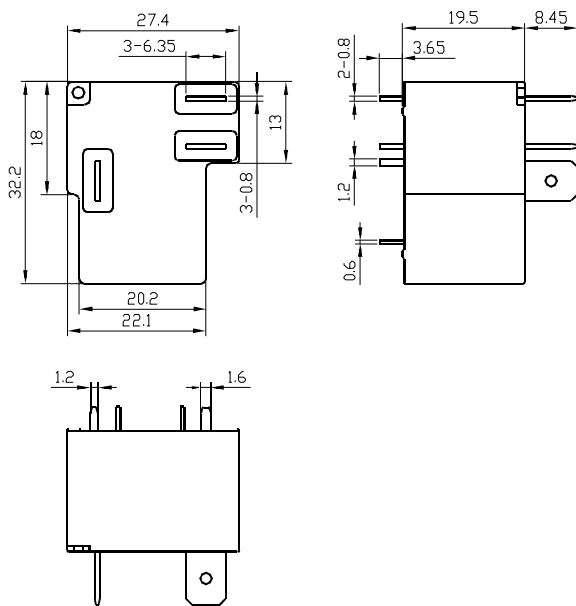
## 订货标记示例 ORDERING INFORMATION

YX209H	-S	-1	12	D	M	X	
							特殊参数 Special parameters: 无-标准型, 字母或数字-特殊要求
							触点形式 Contact form: 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
							线圈功耗 Coil power: D-直流DC 0.9 W, H-直流DC 1.6 W, G-直流DC 2.25 W, A-交流AC 1.5VA
							线圈规格 Coil voltage: 03,05,06,09,12,15,18,24,36,48,60,72,110 (VDC) 06,12,24,48,110,220 (VAC)
							触点组数 Number of poles: 1-1组 1-1 Group
							封装形式 Protective construction: S-塑封式 S-Flux proofed
							基本型号 Type designation: YX209H

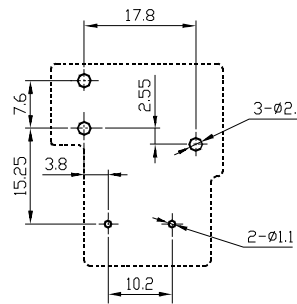
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

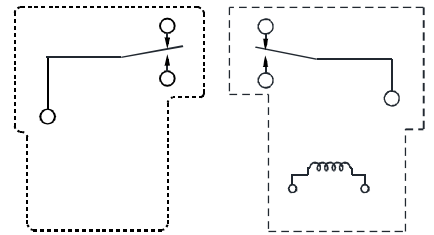


安装孔位图 (底视图)  
PCB Layout (Bottom View)

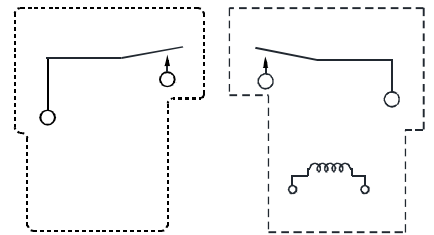


接线图 (底视图)  
Wiring Diagram (Bottom View)

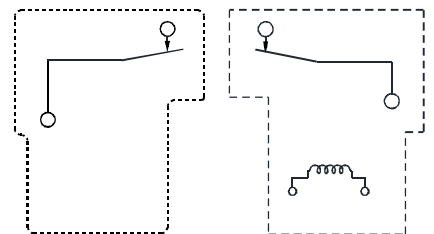
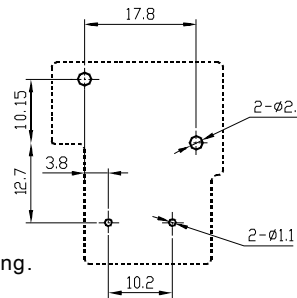
转换型  
1 Form C



常开型  
1 Form A



常闭型  
1 Form B

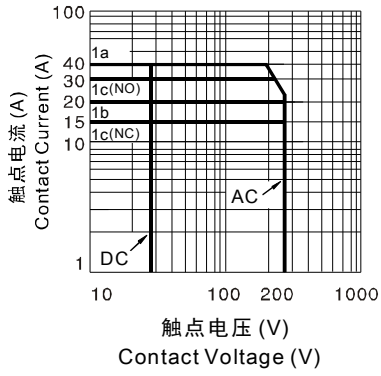


注 Remark:

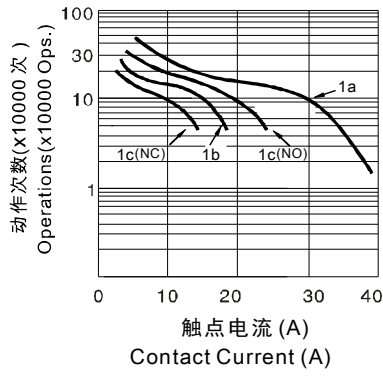
1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$ ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$ ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

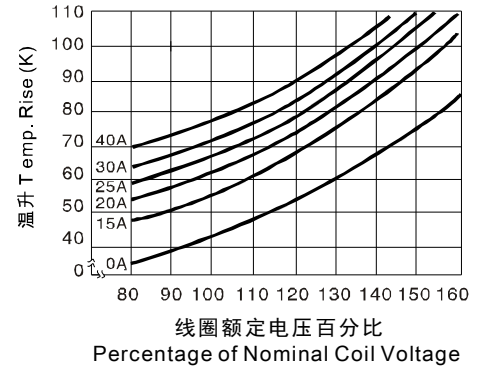
最大切换功率  
Max. Switching Power



寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise






**特点 Features:**

- 触点容量: 15A触点切换能力.  
High contact switching capability:15A.
- 可靠性高,寿命长.  
High reliability,long service endurance.
- 安装方式有PCB端子, 插座式, 法兰式.  
PCB,Socket,Flange mounting types available.

**触点参数 CONTACT DATA**

型号	Model	YX211/LY
触点形式	Contact Arrangement	1A 、1C 、2A 、2C 、3A 、3C 、4A 、4C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	10A 250VAC/30VDC
最大切换电流	Max. Switching Current	15A
最大切换电压	Max. Switching Voltage	250VAC/30VDC
最大切换功率	Max. Switching Power	2500VA/300W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	25ms Max.
释放时间(不带二极管)	Release Time ( without diode )	25ms Max.
绝缘电阻	Insulation Resistance	500MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 1,500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Contacts sets: 1,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 1C,2C:31g ; 3C:45g ; 4C:62g

**线圈参数 COIL DATA (at 23°C)**

型号 Model	额定电压 Rated voltage (VAC/VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (VA/W)	
YX211/LY1; YX211/LY2	AC	6	200	10.5	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 80 %	额定电压的 of rated voltage 30 %	约 approx. 1.2VA
		12	100	42				
		24	50	168				
		48	25	672				
		110	10.9	3,529				
		220	5.4	14,116				
	DC	6	150	40	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 10 %	约 approx. 0.9W
		12	75	160				
		24	37.5	640				
		48	18.7	2,560				
		110	8.2	13,444				
		220	4	53,777				

线圈参数 COIL DATA (at 23°C)								
型号 Model	额定电压 Rated voltage (VAC/VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (VA/W)	
YX211/LY3	AC	6	416	5	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 80 %	额定电压的 of rated voltage 30 %	约 approx. 2.5VA
		12	208	20.2				
		24	104	80.6				
		48	52	322.3				
		110	22.7	1,694				
		220	11.3	6,776				
	DC	6	250	24	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 10 %	约 approx. 1.5W
		12	125	96				
		24	62.5	384				
		48	31.2	1,536				
		110	13.6	8,067				
		220	6.8	32,267				
YX211/LY4	AC	6	500	4.2	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 80 %	额定电压的 of rated voltage 30 %	约 approx. 3VA
		12	250	16.8				
		24	125	67.2				
		48	62.5	268.8				
		110	27.2	1,412				
		220	13.6	5,647				
	DC	6	250	24	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 10 %	约 approx. 1.5W
		12	125	96				
		24	62.5	384				
		48	31.2	1,536				
		110	13.6	8,067				
		220	6.8	32,267				

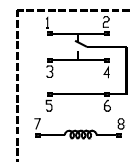
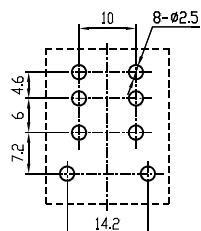
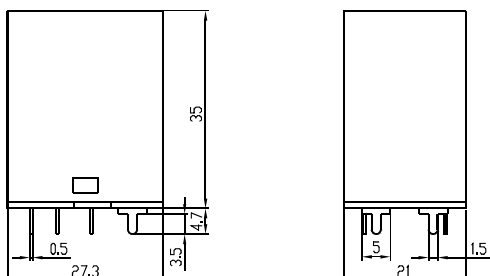
订货标记示例 ORDERING INFORMATION						
YX211/LY	-1	12	D	M	F	L
附带配件 Accessory form :				无-不带配件, L-带二极管 Nil-Without accessory, L-With diode		
端子形式 Terminal form :				P-PCB式, T-插座式, F-法兰式 P-PCB, T-Socket, F-Flange mounting		
触点形式 Contact form :				无-转换, M-常开 Nil-Form C, M-Form A		
线圈功耗 Coil power :				D-直流线圈, A-交流线圈 D-DC, A-AC		
线圈规格 Coil voltage :				6,12,24,48,110,220,380		
触点组数 Number of poles :				1-1组, 2-2组, 3-3组, 4-4组 1-1 Group, 2-2 Group, 3-3 Group, 4-4 Group		
基本型号 Type designation :				YX211/LY		

## 外形尺寸、接线图、安装孔位图 (单位: mm) OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

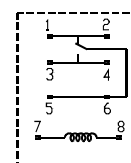
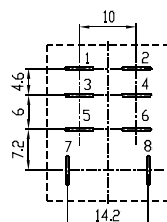
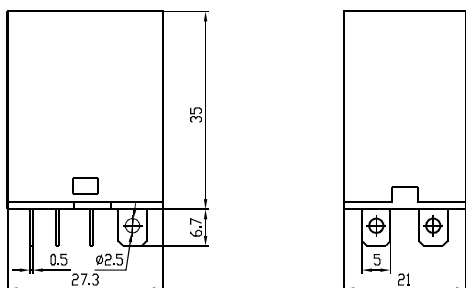
外形尺寸  
Outline Dimensions

安装孔位图 (底视图)  
PCB Layout ( Bottom View )

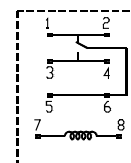
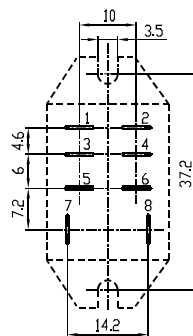
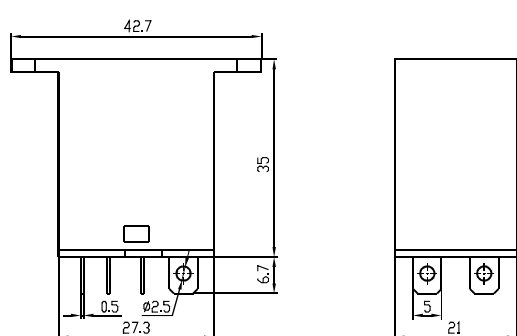
接线图 (底视图)  
Wiring Diagram ( Bottom View )



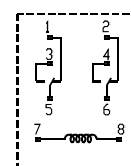
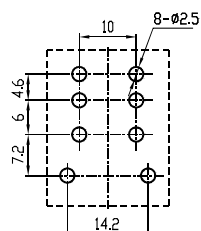
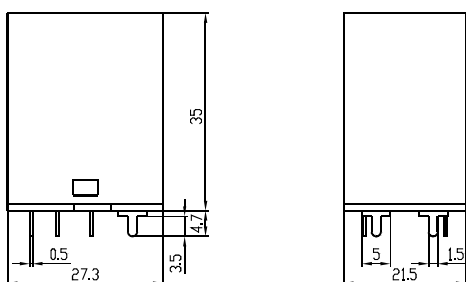
1C  
PCB式  
PCB  
type



1C  
插座式  
Socket  
type



1C  
法兰式  
Flange  
mounting  
type



2C  
PCB式  
PCB  
type

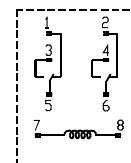
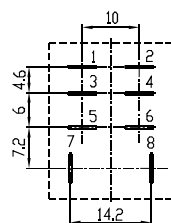
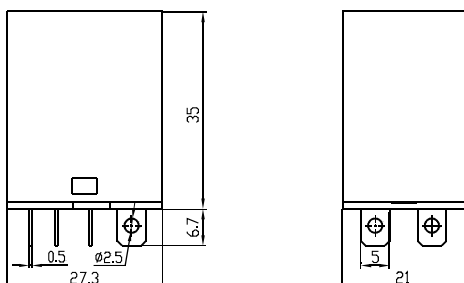
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

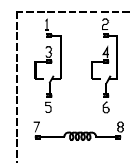
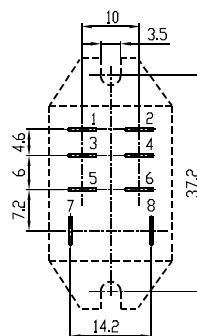
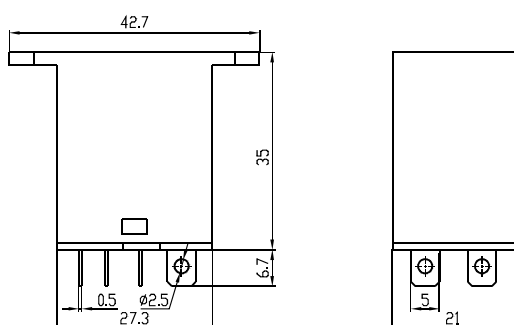
外形尺寸  
Outline Dimensions

安装孔位图 (底视图)  
PCB Layout ( Bottom View )

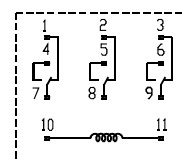
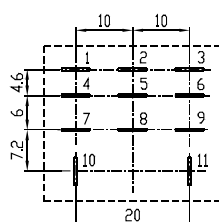
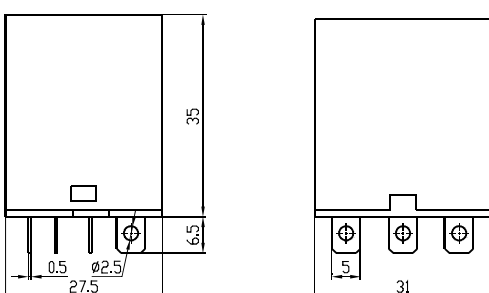
接线图 (底视图)  
Wiring Diagram ( Bottom View )



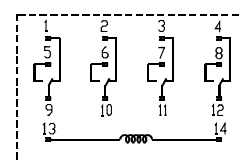
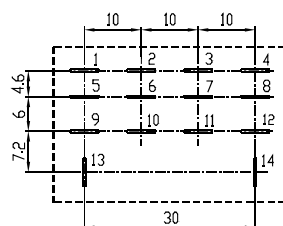
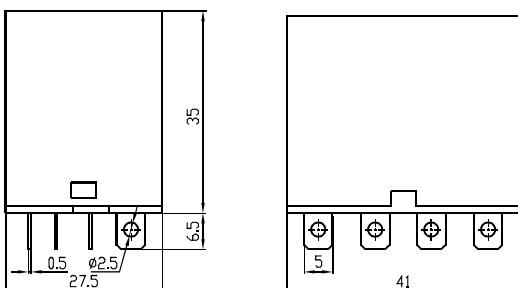
2C  
插座式  
Socket  
type



2C  
法兰式  
Flange  
mounting  
type



3C  
插座式  
Socket  
type

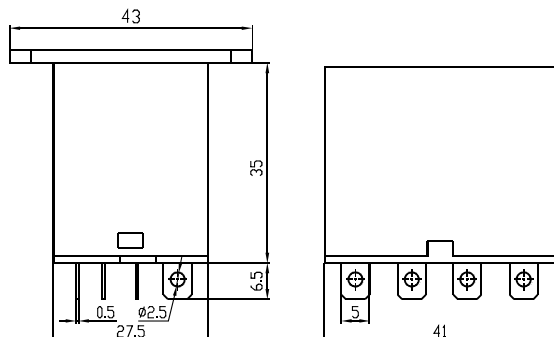


4C  
插座式  
Socket  
type

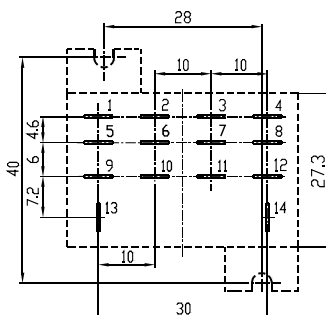
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

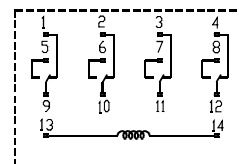
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )



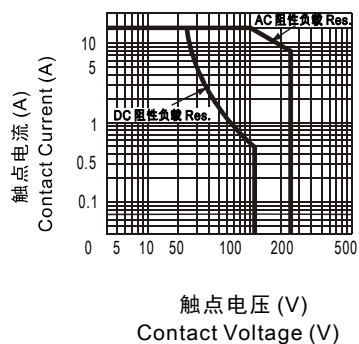
4C  
法兰式  
Flange  
mounting  
type

注 Remark :

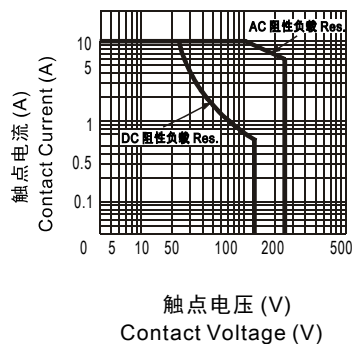
1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ; (1~5)mm:  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

最大切换功率 (1C)  
Max. Switching Power (1C)



最大切换功率 (2C,3C,4C)  
Max. Switching Power (2C,3C,4C)




**特点 Features:**

- 触点容量: 5A触点切换能力.  
Contact switching capability: 5A.
- 可靠性高, 寿命长.  
High reliability, long service endurance.
- 安装方式有PCB端子, 插座式, 法兰式.  
PCB, Socket, Flange mounting types available.

**触点参数 CONTACT DATA**

型号	Model	YX211/MY
触点形式	Contact Arrangement	2A、2C、3A、3C、4A、4C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	5A 250VAC/30VDC
最大切换电流	Max. Switching Current	5A
最大切换电压	Max. Switching Voltage	250VAC/30VDC
最大切换功率	Max. Switching Power	1250VA/150W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	25ms Max.
释放时间(不带二极管)	Release Time ( without diode )	25ms Max.
绝缘电阻	Insulation Resistance	500MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 1,500VAC, 50/60Hz 1 min.
		触点组与组间 Between Contacts sets: 1,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 31g

**线圈参数 COIL DATA (at 23°C)**

型号 Model	额定电压 Rated voltage (VAC/VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (VA/W)	
YX211/MY	AC	6	200	10.5	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 80 %	额定电压的 of rated voltage 30 %	约 approx. 1.2VA
		12	100	42				
		24	50	168				
		48	25	672				
		110	10.9	3,529				
		220	5.4	14,116				
	DC	6	150	40	额定电压的 of rated voltage 110 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 10 %	约 approx. 0.9W
		12	75	160				
		24	37.5	640				
		48	18.7	2,560				
		110	7	17,921				
		220	4	53,777				

## 订货标记示例 ORDERING INFORMATION

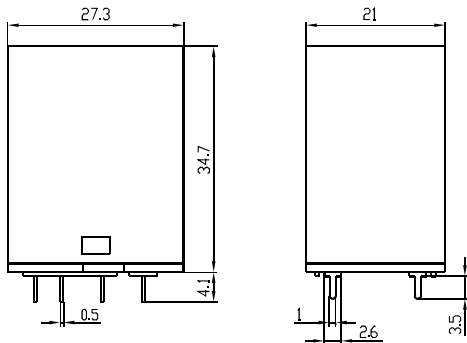
YX211/MY	-2	12	D	M	F	L	
附带配件	Accessory form:	无-不带配件, L-带二极管 Nil-Without accessory, L-With diode					
端子形式	Terminal form:	P-PCB式, T-插座式, F-法兰式 P-PCB式, T-Socket, F-Flange mounting					
触点形式	Contact form:	无-转换, M-常开 Nil-Form C, M-Form A					
线圈功耗	Coil power:	D-直流线圈, A-交流线圈 D-DC, A-AC					
线圈规格	Coil voltage:	6, 12, 24, 48, 110, 220, 380					
触点组数	Number of poles:	2-2组, 3-3组, 4-4组 2-2 Group, 3-3 Group, 4-4 Group					
基本型号	Type designation:	YX211/MY					

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

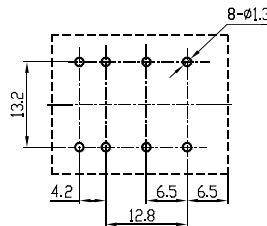
外形尺寸

Outline Dimensions



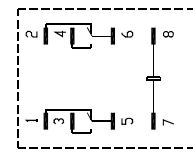
安装孔位图 (底视图)

PCB Layout (Bottom View)

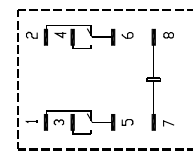
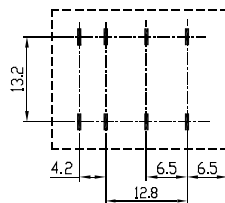
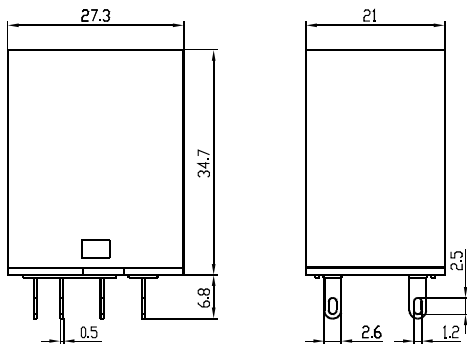


接线图 (底视图)

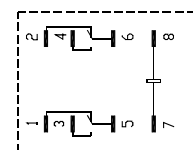
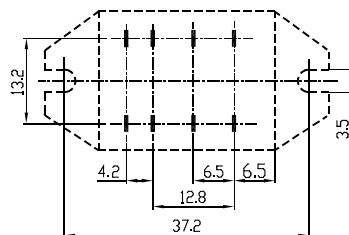
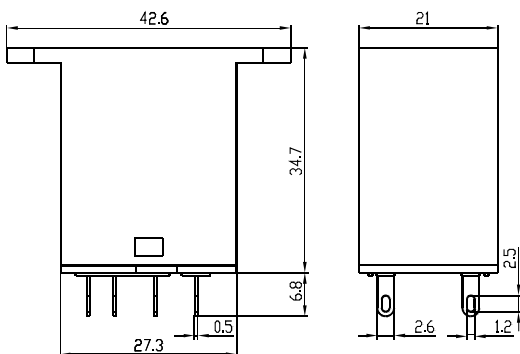
Wiring Diagram (Bottom View)



2C  
PCB式  
PCB  
type



2C  
插座式  
Socket  
type



2C  
法兰式  
Flange  
mounting  
type

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸

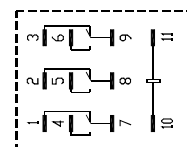
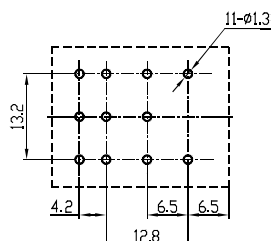
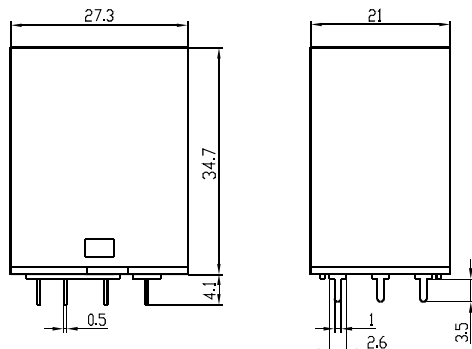
Outline Dimensions

安装孔位图 (底视图)

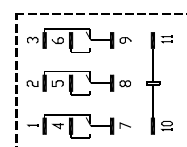
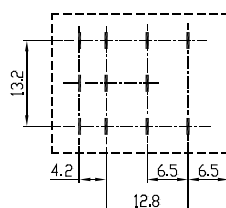
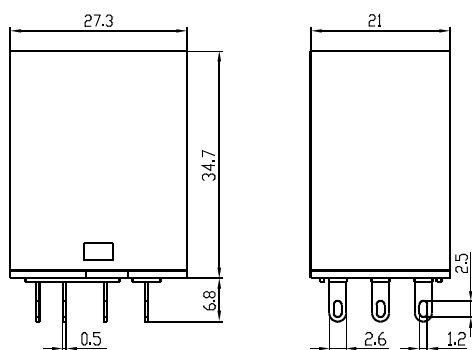
PCB Layout ( Bottom View )

接线图 (底视图)

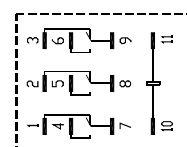
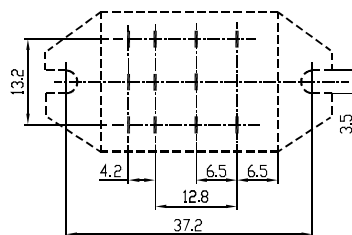
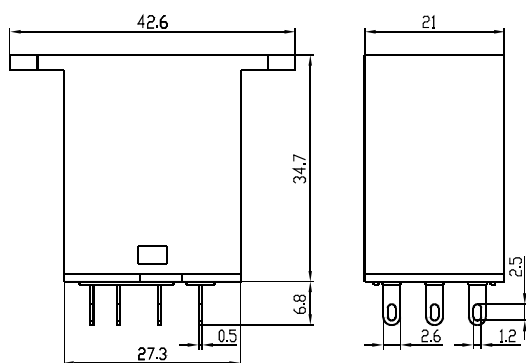
Wiring Diagram ( Bottom View )



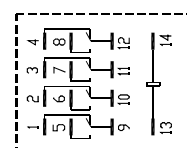
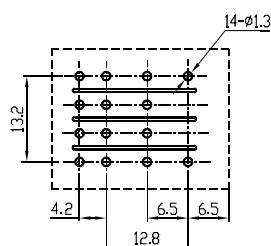
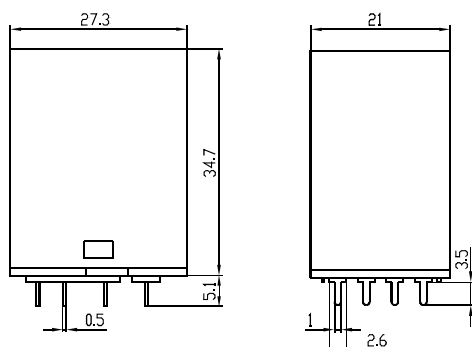
3C  
PCB式  
PCB  
type



3C  
插座式  
Socket  
type



3C  
法兰式  
Flange  
mounting  
type



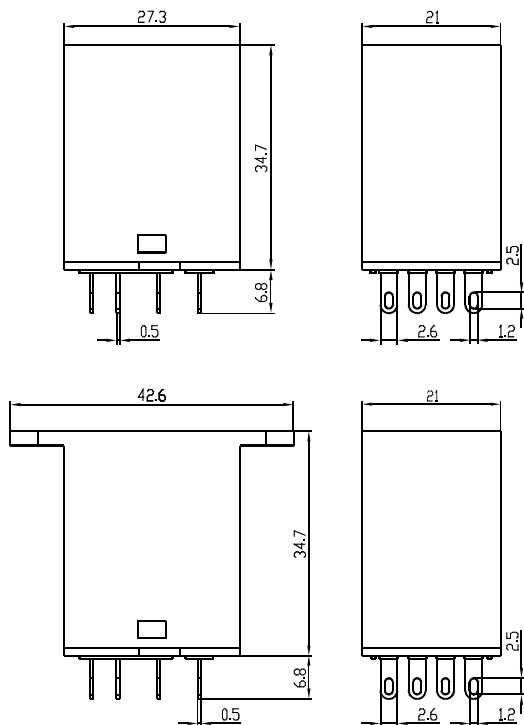
4C  
PCB式  
PCB  
type



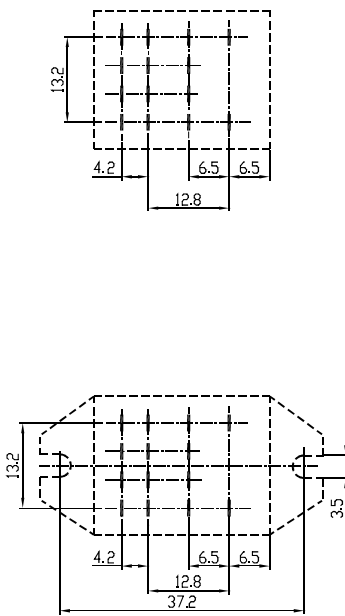
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

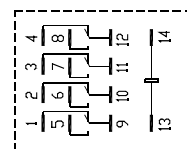
外形尺寸  
Outline Dimensions



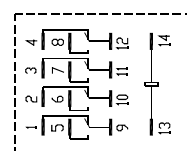
安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )



4C  
插座式  
Socket  
type

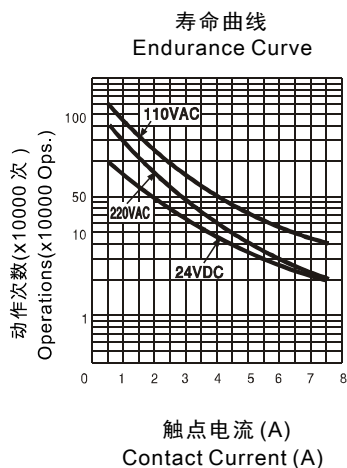
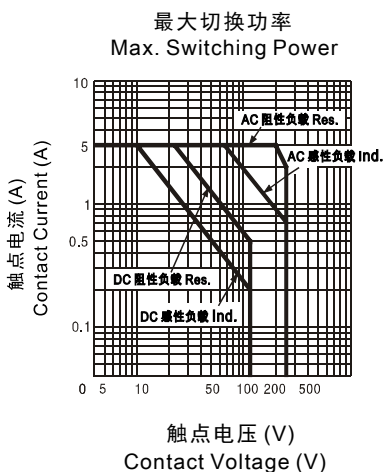


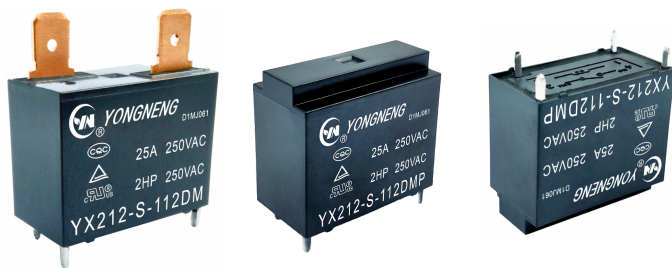
4C  
法兰式  
Flange  
mounting  
type

注 Remark :

1. 未标注尺寸公差. Unmarked dimensional tolerance.  $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差. The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸. Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES




**特点 Features:**

- 小型大容量继电器, 最适合用于马达, 压缩机控制.  
Miniature with high switching capability .  
especially suit for motor and compressor control.
- 快装端子, 可提供PCB端子型号.  
Quick connect terminal or PCB terminal available.

**触点参数 CONTACT DATA**

型号	Model	YX212
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	25A 250VAC/30VDC
最大切换电流	Max. Switching Current	30A
最大切换电压	Max. Switching Voltage	277VAC
最大切换功率	Max. Switching Power	7500VA
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	20ms Max.
释放时间(不带二极管)	Release Time ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 22g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	180.0	28	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.9
6	150.0	40				
9	100.0	90				
12	75.0	160				
18	50.0	360				
24	37.5	640				
36	25.0	1,440				
48	18.8	2,560				

## 线圈参数 COIL DATA (at 23°C)

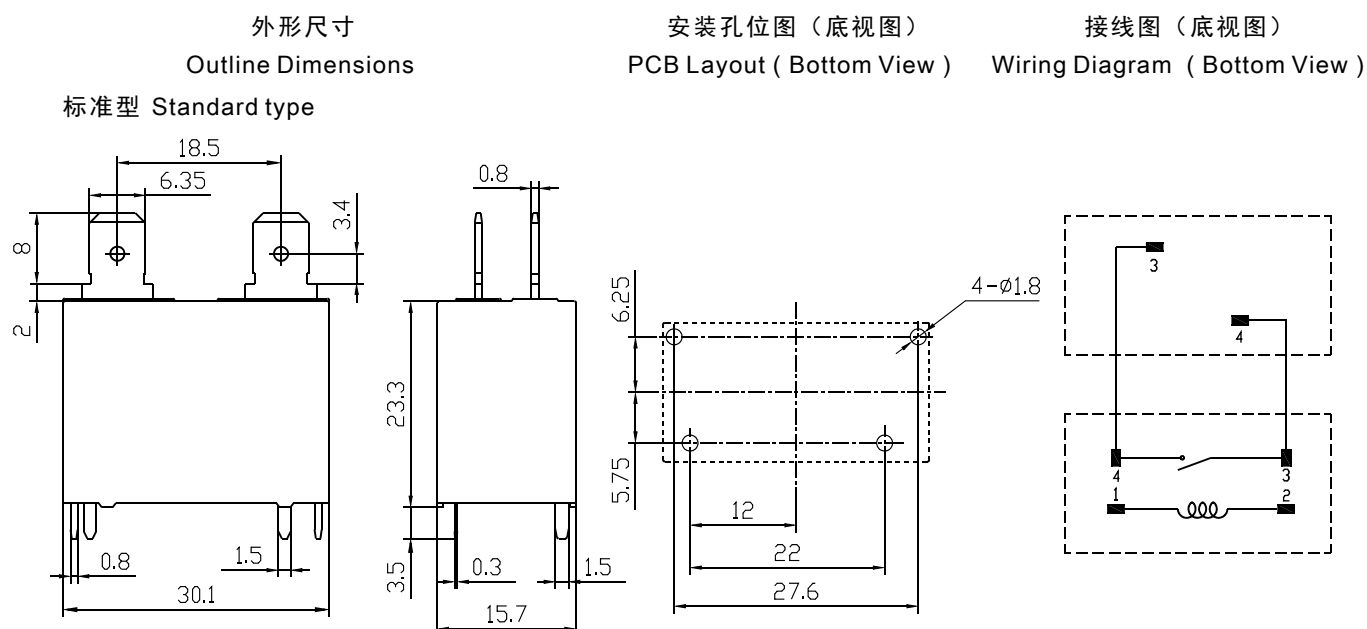
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	280.0	18	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 1.4
6	233.3	26				
9	155.6	58				
12	116.7	103				
18	77.8	231				
24	58.3	411				
36	38.9	926				
48	29.2	1,646				

## 订货标记示例 ORDERING INFORMATION

YX212	-S	-1	12	D	M	P	X	
特殊参数 Special parameters: 无-标准型, 字母或数字-特殊要求								
端子形式 Terminal form: 无-标准型, P-PCB端子 Nil-Standard, P-PCB								
触点形式 Contact form: M-常开 M-Form A								
线圈功耗 Coil power: D-0.9 W ( 1.4W 可选 optional )								
线圈规格 Coil voltage: 05,06,09,12,18,24 (VDC)								
触点组数 Number of poles: 1-1组 1-1 Group								
封装形式 Protective construction: S-塑封式 S-Flux proofed								
基本型号 Type designation: YX212								

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)



注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
2. 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
3. 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

## 外形尺寸、接线图、安装孔位图 (单位: mm)

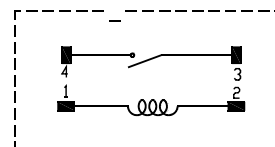
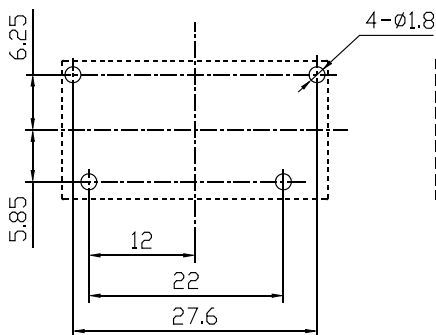
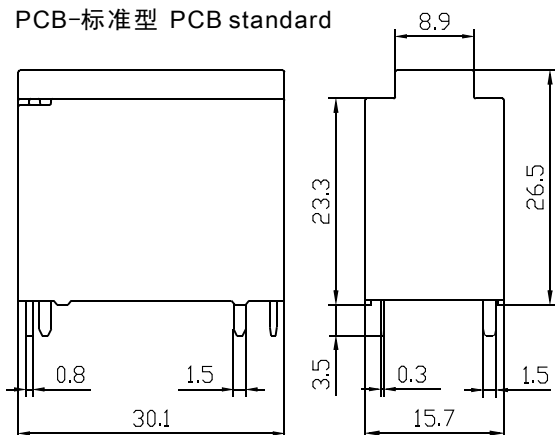
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

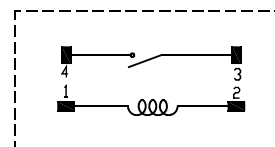
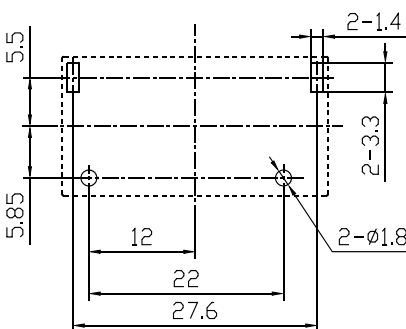
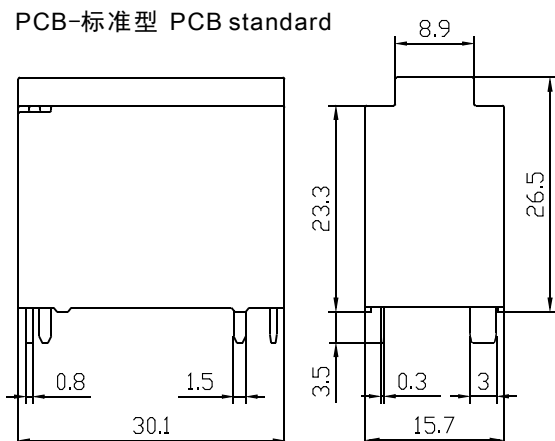
安装孔位图 (底视图)  
PCB Layout (Bottom View)

接线图 (底视图)  
Wiring Diagram (Bottom View)

PCB-标准型 PCB standard



PCB-标准型 PCB standard

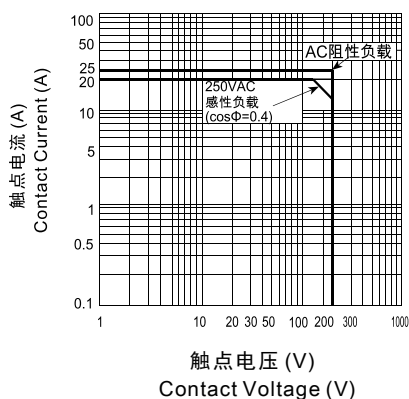


注 Remark :

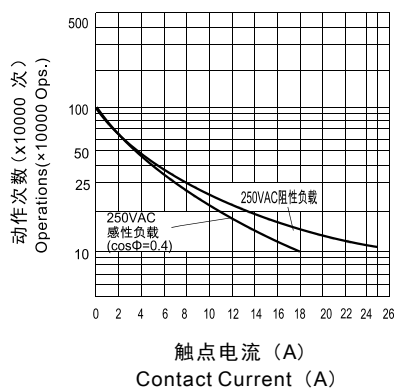
1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$ ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$ ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

最大切换功率  
Max. Switching Power



寿命曲线  
Endurance Curve




**特点 Features:**

- 小型大容量继电器, 最适合用于马达, 压缩机控制。  
Miniature with high switching capability .  
especially suit for motor and compressor control.
- 快装端子, 可提供PCB端子型号。  
Quick connect terminal or PCB terminal available.

**触点参数 CONTACT DATA**

型号	Model	YX213
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC ; 20A 125VAC
最大切换电流	Max. Switching Current	20A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	20ms Max.
释放时间(不带二极管)	Release Time ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 5,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 22g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	180.0	46	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.54
6	90.0	67				
9	60.0	150				
12	45.0	267				
18	30.0	600				
24	22.5	1,067				

## 订货标记示例 ORDERING INFORMATION

YX213	-S	-1	12	D	M	P		
							端子形式 Terminal form :	无-标准型, P-PCB端子, W-QC端子弯曲型 Nil-Standard, P-PCB, W-QC terminal bending type
							触点形式 Contact form :	M-常开 M-Form A
							线圈功耗 Coil power :	D-0.54W
							线圈规格 Coil voltage :	05,06,09,12,18,24,48 (VDC)
							触点组数 Number of poles :	1-1组 1-1 Group
							封装形式 Protective construction :	S-塑封式 S-Flux proofed
							基本型号 Type designation :	YX213

## 外形尺寸、接线图、安装孔位图 (单位: mm)

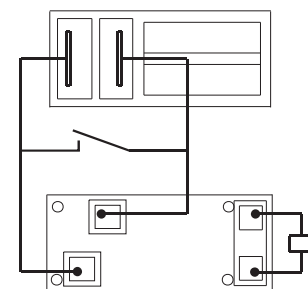
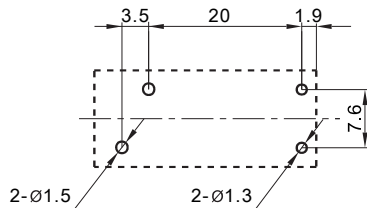
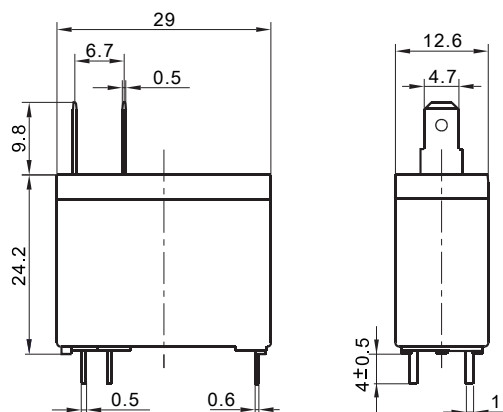
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

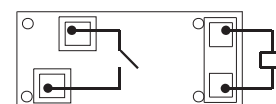
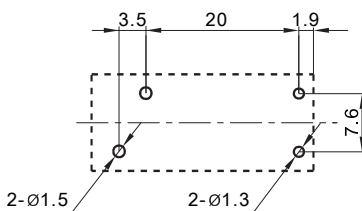
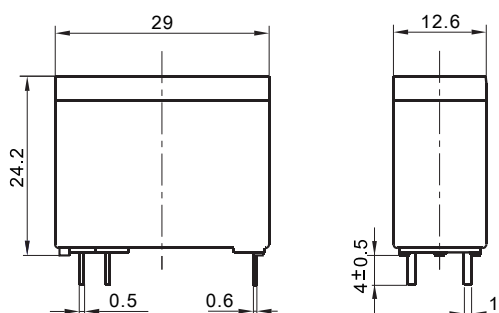
安装孔位图 (底视图)  
PCB Layout ( Bottom View )

接线图 (底视图)  
Wiring Diagram ( Bottom View )

标准型 Standard type

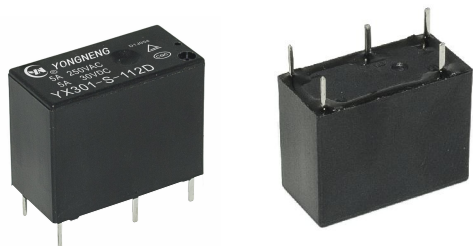


PCB型 PCB type



### 注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
2. 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
3. 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 触点容量: 10A触点切换能力  
Contact switching capability: 10A.
- 可提供符合 IEC 60335-1 要求的产品  
Product comply with IEC 60335-1 available.
- 线圈与触点浪涌电压6KV  
6KV surge voltage between coil and contact.

**触点参数 CONTACT DATA**

型号	Model	YX301
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	10A 250VAC ; 5A 250VAC
最大切换电流	Max. Switching Current	10A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	2500VA/150W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 6.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	66.7	45	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.2
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
15	13.3	1,125				
18	11.1	1,620				
24	8.3	2,880				
36	5.6	6,480				
48	4.2	11,520				

## 线圈参数 COIL DATA (at 23°C)

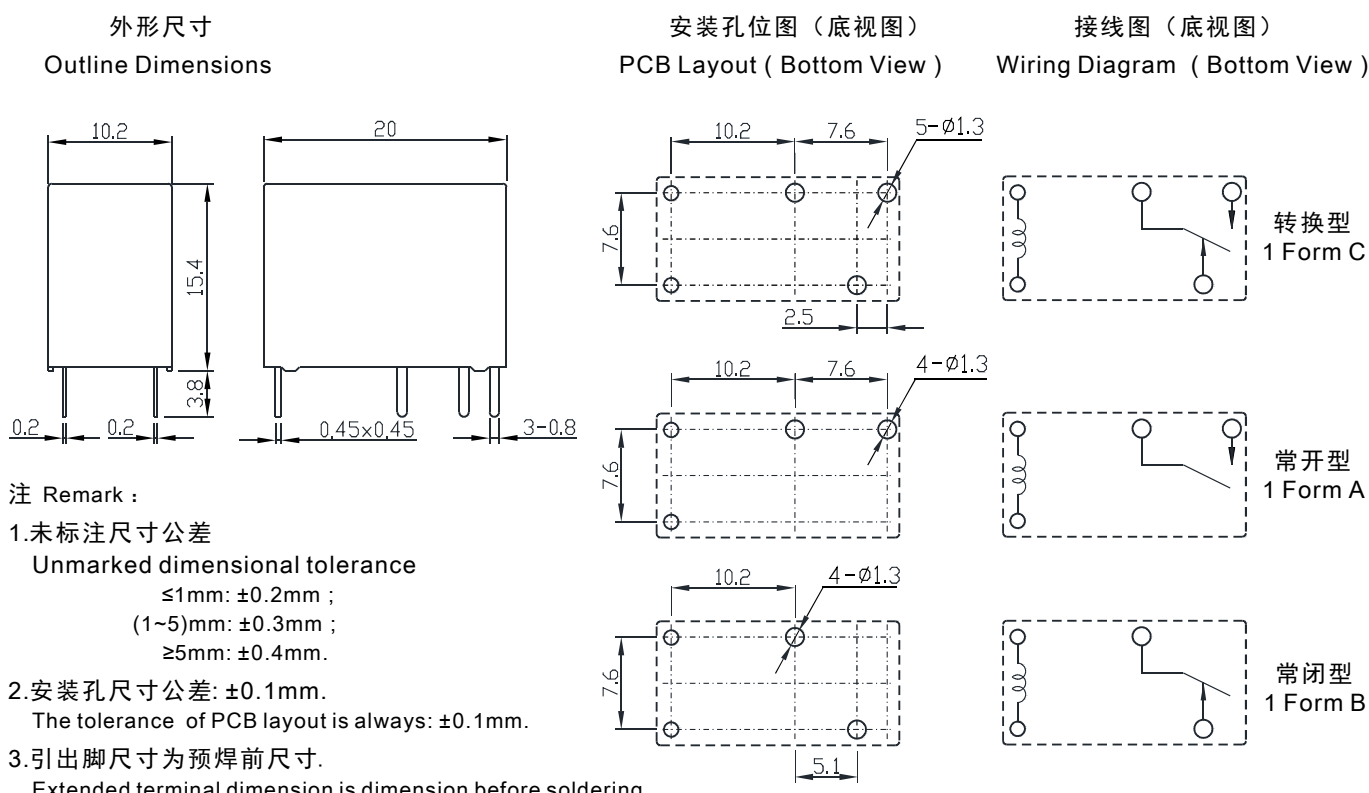
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	133.3	22.5	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.4
5	80.0	62.5				
6	66.7	90				
9	44.4	202.5				
12	33.3	360				
15	26.7	562.5				
18	22.2	810				
24	16.7	1,440				
36	11.1	3,240				
48	8.3	5,760				

## 订货标记示例 ORDERING INFORMATION

YX301	-S	-1	12	D	M	
				触点形式 Contact form: 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B		
				线圈功耗 Coil power: L-0.2 W, D-0.4W		
				线圈规格 Coil voltage: 03,05,06,09,12,15,18,24,36,48 (VDC)		
				触点组数 Number of poles: 1-1组 1-1 Group		
				封装形式 Protective construction: S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type		
				基本型号 Type designation: YX301		

## 外形尺寸、接线图、安装孔位图 (单位: mm)

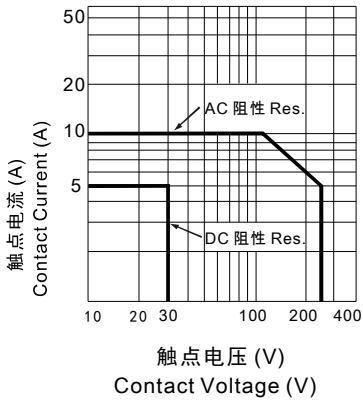
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)



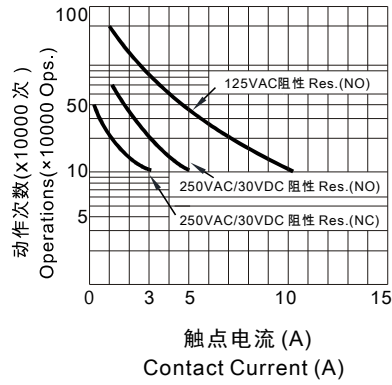


## 性能曲线图 CHARACTERISTIC CURVES

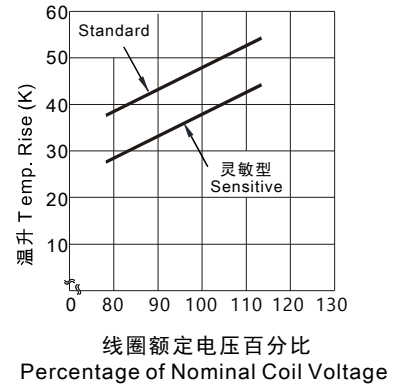
最大切换功率  
Max. Switching Power

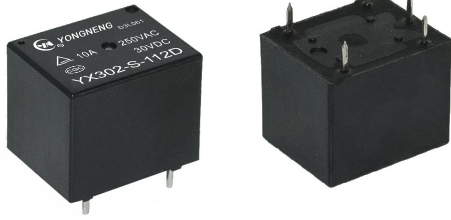


寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 15A触点切换能力。  
Contact switching capability: 15A.
- 可提供符合IEC 60335-1 要求的产品。  
Product comply with IEC 60335-1 available.
- 高耐压:3KV。  
Dielectric strength: 3KV (between coil&contacts).

**触点参数 CONTACT DATA**

型号	Model	YX302
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	10A 250VAC/30VDC
最大切换电流	Max. Switching Current	15A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	2500VA/300W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 750VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 3,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 8.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	120.0	25	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
5	71.4	70				
6	60.0	100				
9	40.0	225				
12	30.0	400				
15	24.0	625				
18	20.0	900				
24	15.0	1,600				
36	10.0	3,600				
48	7.5	6,400				

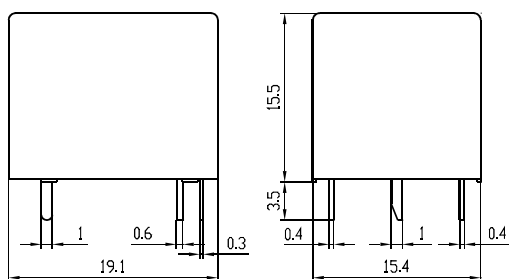
## 订货标记示例 ORDERING INFORMATION

YX302	-S	-1	12	D	M	
				触点形式 Contact form : 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B		
				线圈功耗 Coil power : D-0.36 W		
				线圈规格 Coil voltage : 03,05,06,09,12,15,18,24,36,48 (VDC)		
				触点组数 Number of poles : 1-1组 1-1 Group		
				封装形式 Protective construction : S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type		
				基本型号 Type designation : YX302		

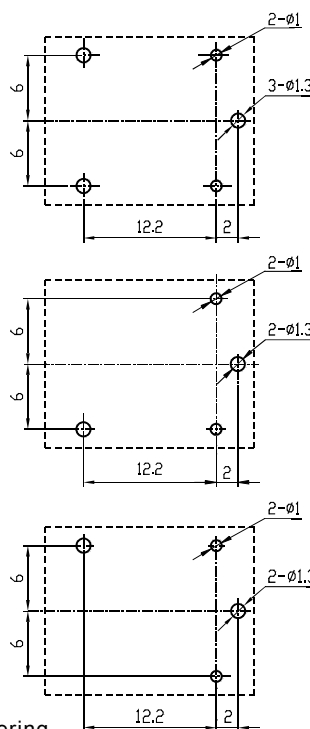
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

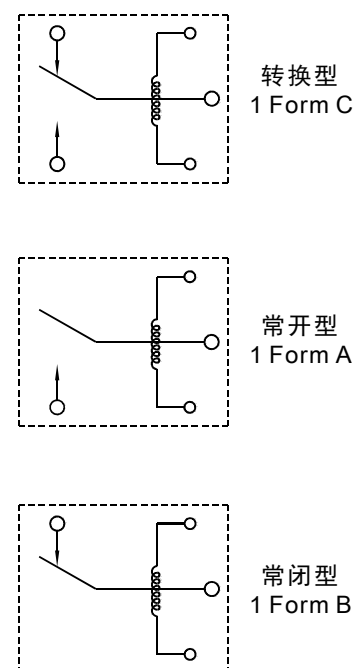
外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )



注 Remark :

1. 未标注尺寸公差

Unmarked dimensional tolerance

- ≤1mm: ±0.2mm ;
- (1~5)mm: ±0.3mm ;
- ≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.

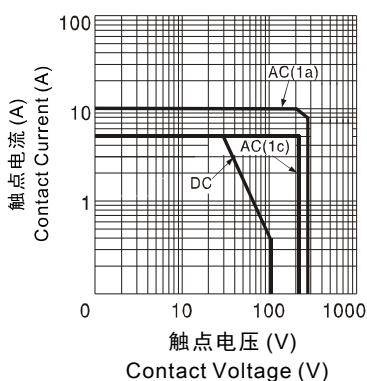
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

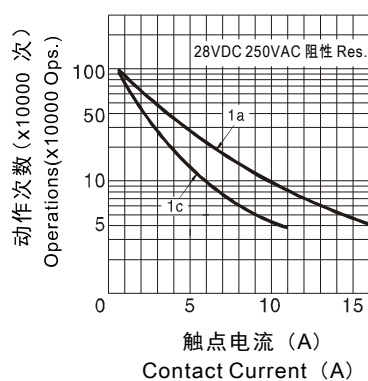
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

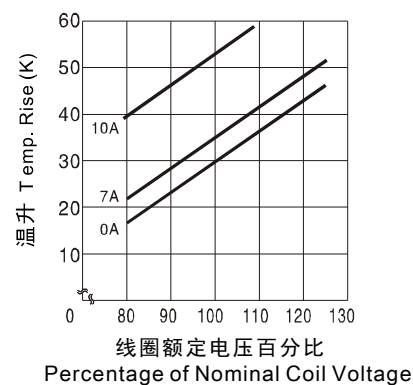
最大切换功率  
Max. Switching Power

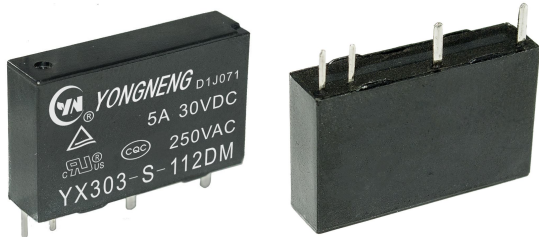


寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 触点容量: 5A触点切换能力  
Contact switching capability: 5A.
- 宽度5mm, 适合高密度电路板  
5mm width suitable for high-density PCB mounting.
- 高灵敏度, 线圈功耗仅为 120mW  
High Sensitivity, 120mW coil power.

**触点参数 CONTACT DATA**

型号	Model	YX303
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	5A 250VAC/30VDC
最大切换电流	Max. Switching Current	5A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	1250VA/150W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 3,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 2.8 g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	40.0	75	额定电压的 130%	额定电压的 75%	额定电压的 5%	约 approx. 0.12
5	24.0	208				
6	20.0	300				
9	13.3	675				
12	10.0	1,200				
15	8.0	1,875				
18	6.7	2,700				
24	5.0	4,800				
48	2.5	19,200				

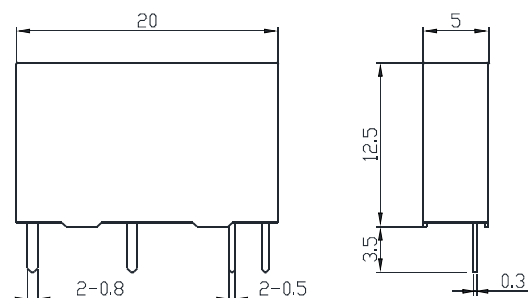
## 订货标记示例 ORDERING INFORMATION

YX303	-S	-1	12	D	M	
						触点形式 Contact form: M-常开 M-Form A
						线圈功耗 Coil power: D-0.12 W
						线圈规格 Coil voltage: 03,05,06,09,12,15,18,24,48 (VDC)
						触点组数 Number of poles: 1-1组 1-1 Group
						封装形式 Protective construction: S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type
						基本型号 Type designation: YX303

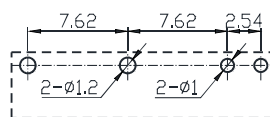
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions



安装孔位图 (底视图)  
PCB Layout (Bottom View)



接线图 (底视图)  
Wiring Diagram (Bottom View)

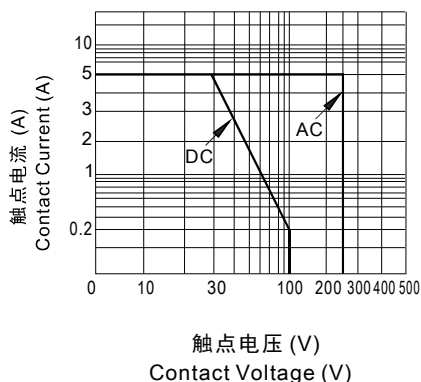


注 Remark:

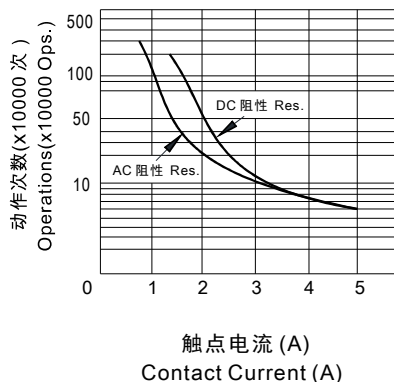
- 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm; (1~5)mm: ±0.3mm; ≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

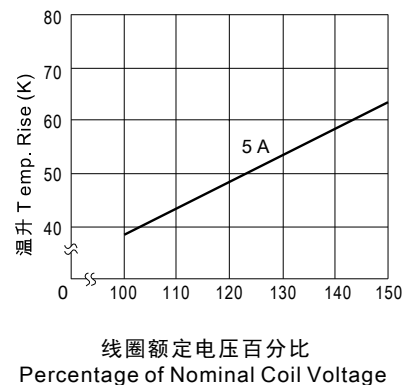
最大切换功率  
Max. Switching Power



寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 高触点容量: 17A触点切换能力  
High contact switching capability: 17A.
- 可提供符合 IEC 60335-1 要求的产品  
Product comply with IEC 60335-1 available.
- 线圈与触点浪涌电压6KV  
6KV surge voltage between coil and contact.

**触点参数 CONTACT DATA**

型号	Model	YX305
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	17A 277VAC/30VDC ; 20A 125VAC
最大切换电流	Max. Switching Current	20A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4700VA/510W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 2,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 15g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	120.0	25	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
5	71.5	70				
6	60.0	100				
9	40.0	225				
12	30.0	400				
15	24.0	625				
18	20.0	900				
24	15.0	1,600				
36	10.0	3,600				
48	7.5	6,400				

## 订货标记示例 ORDERING INFORMATION

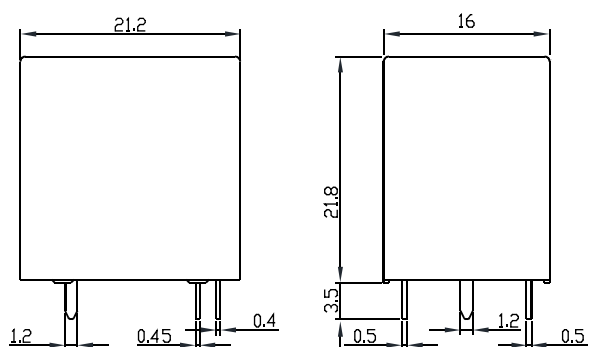
YX305	-S	-1	12	D	M	F	
绝缘系统 Insulation system:		无-标准型, Nil-Standard, F-Class F					
触点形式 Contact form:		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B					
线圈功耗 Coil power:		D-0.36 W					
线圈规格 Coil voltage:		03,05,06,09,12,15,18,24,36,48 (VDC)					
触点组数 Number of poles:		1-1组 1-1 Group					
封装形式 Protective construction:		S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type					
基本型号 Type designation:		YX305					

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

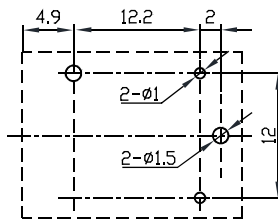
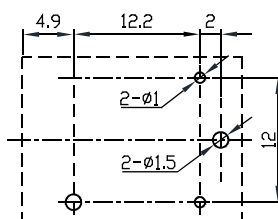
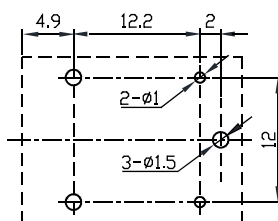
外形尺寸

Outline Dimensions



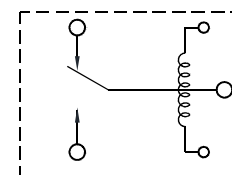
安装孔位图 (底视图)

PCB Layout (Bottom View)

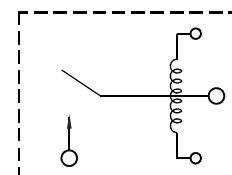


接线图 (底视图)

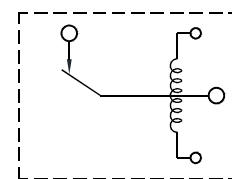
Wiring Diagram (Bottom View)



转换型  
1 Form C



常开型  
1 Form A



常闭型  
1 Form B

注 Remark:

1. 未标注尺寸公差

Unmarked dimensional tolerance

≤1mm: ±0.2mm;

(1~5)mm: ±0.3mm;

≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.

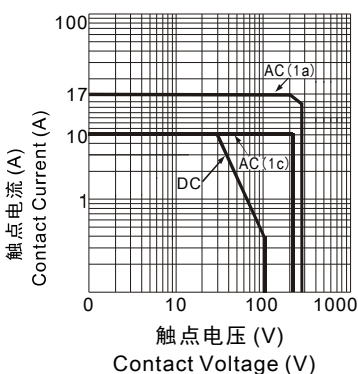
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

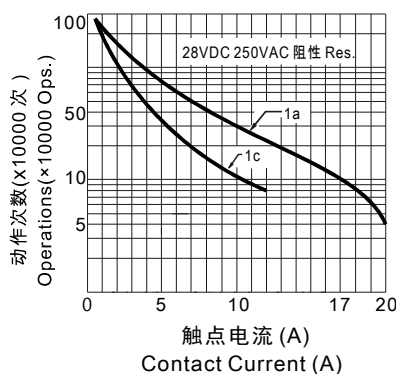
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

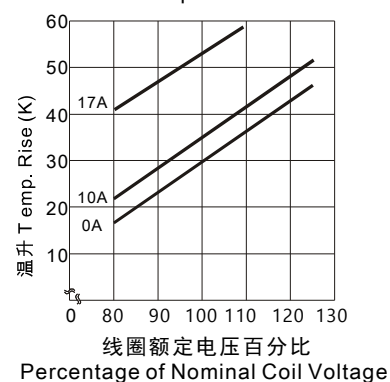
最大切换功率  
Max. Switching Power

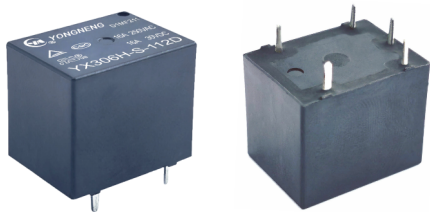


寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 16A触点切换能力。  
Contact switching capability:16A.
- 可提供符合IEC 60335-1 要求的产品。  
Product comply with IEC 60335-1 available.
- 超小型, 标准印刷板引出脚。  
Subminature, standard PCB layout.

**触点参数 CONTACT DATA**

型号	Model	YX306H
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 1,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 9.4g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	120.0	25	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.36
5	71.4	70				
6	60.0	100				
9	40.0	225				
12	30.0	400				
15	24.0	625				
18	20.0	900				
24	15.0	1,600				
48	7.5	6,400				



## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	150.0	20	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.45
5	90.9	55				
6	75.0	80				
9	50.0	180				
12	37.5	320				
15	30.0	500				
18	25.0	720				
24	18.8	1,280				
48	9.4	5,120				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	266.7	11	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 5 %	约 approx. 0.8
5	160.0	31				
6	133.3	45				
9	88.9	101				
12	66.7	180				
15	53.3	281				
18	44.4	405				
24	33.3	720				
48	16.7	2,880				

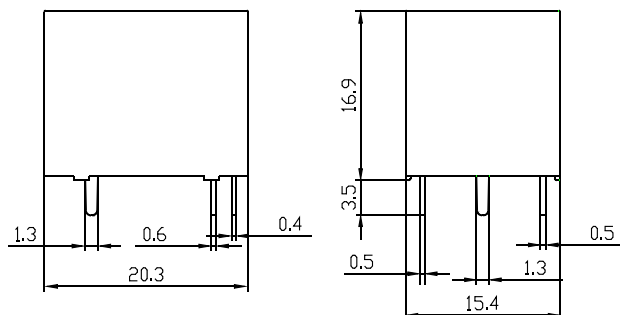
## 订货标记示例 ORDERING INFORMATION

YX306H	-S	-1	12	D	M	X	
							特殊参数 Special parameters : 无-标准型 , 字母或数字-特殊要求
							触点形式 Contact form : 无-转换, M-常开, B-常闭 Nil-Form C , M-Form A , B-Form B
							线圈功耗 Coil power : D-0.36W , H-0.45W , G-0.8W
							线圈规格 Coil voltage : 03,05,06,09,12,15,18,24,36,48 (VDC)
							触点组数 Number of poles : 1-1组 1-1 Group
							封装形式 Protective construction : S-塑封式 S-Flux proofed
							基本型号 Type designation : YX306H

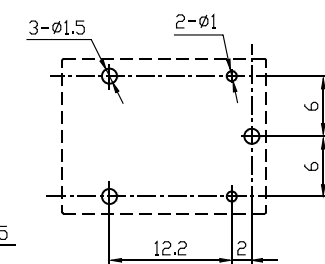
## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

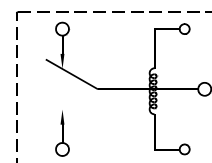
外形尺寸  
Outline Dimensions



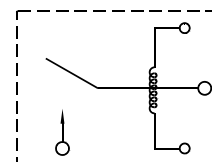
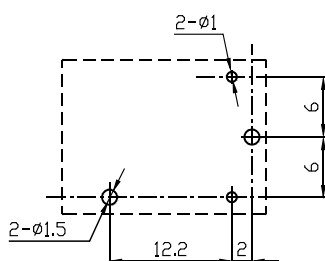
安装孔位图 (底视图)  
PCB Layout ( Bottom View )



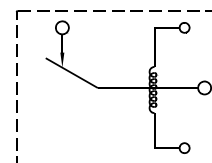
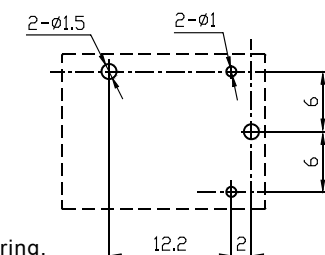
接线图 (底视图)  
Wiring Diagram ( Bottom View )



转换型  
1 Form C



常开型  
1 Form A



常闭型  
1 Form B

注 Remark :

1. 未标注尺寸公差

Unmarked dimensional tolerance

- $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;
- (1~5)mm:  $\pm 0.3\text{mm}$  ;
- $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .

2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .

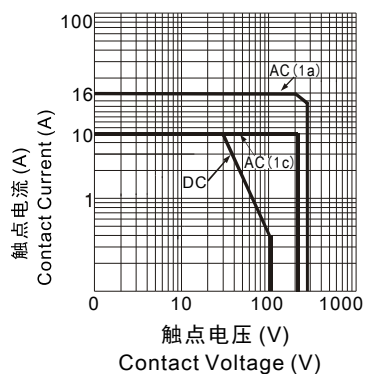
The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .

3. 引出脚尺寸为预焊前尺寸.

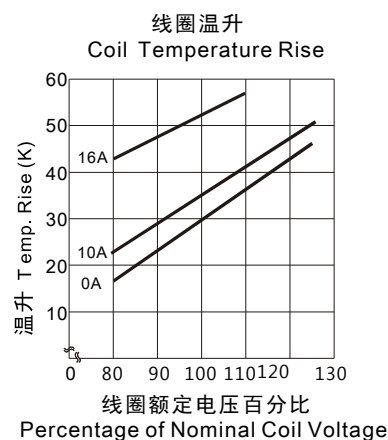
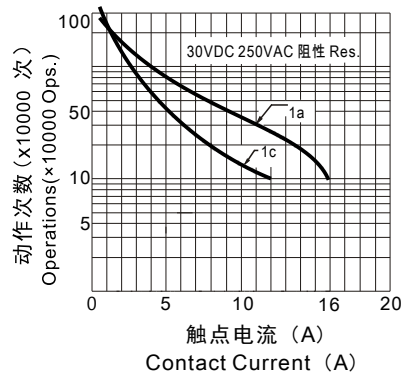
Extended terminal dimension is dimension before soldering.

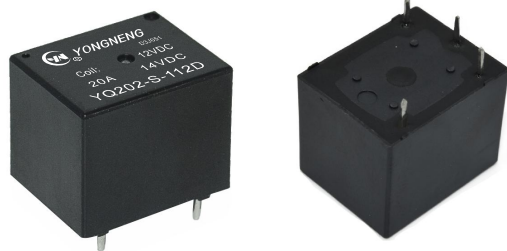
## 性能曲线图 CHARACTERISTIC CURVES

最大切换功率  
Max. Switching Power



寿命曲线  
Endurance Curve




**特点 Features:**

- 20A触点切换能力。  
Contact switching capability:20A.
- 低功耗0.6W。  
Low power consumption:0.6W.
- 超小型,标准印刷板引出脚。  
Subminiature,standard PCB layout.

**触点参数 CONTACT DATA**

型号	Model	YQ202
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	20A 14VDC
最大切换电流	Max. Switching Current	20A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	280W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	8ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 8.7g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	120.0	42	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 0.6
6	100.0	60				
9	66.7	135				
12	50.0	240				
24	25.0	960				
5	160.0	31				约 approx. 0.8
6	133.3	45				
9	88.9	101				
12	66.7	180				
24	33.3	720				

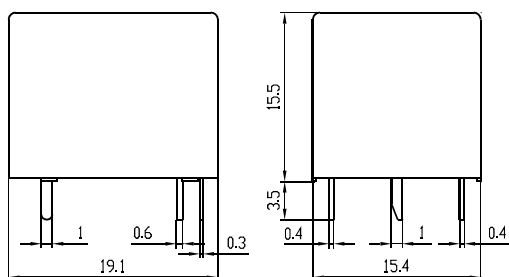
## 订货标记示例 ORDERING INFORMATION

YQ202	-S	-1	12	D	M	
						触点形式 Contact form: 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
						线圈功耗 Coil power: D-0.6 W (0.8W 可选 optional)
						线圈规格 Coil voltage: 5,6,9,12,24 (VDC)
						触点组数 Number of poles: 1-1组 1-1 Group
						封装形式 Protective construction: S-塑封式 S-Flux proofed
						基本型号 Type designation: YQ202

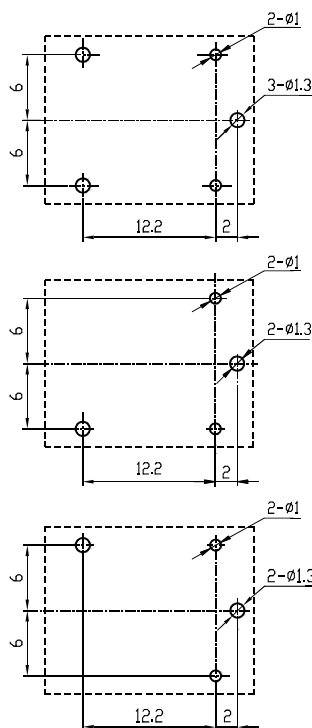
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

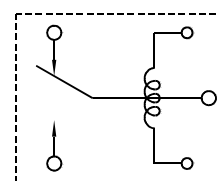
外形尺寸  
Outline Dimensions



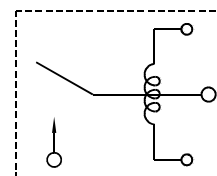
安装孔位图 (底视图)  
PCB Layout ( Bottom View )



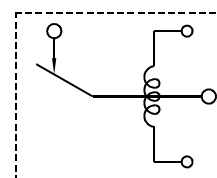
接线图 (底视图)  
Wiring Diagram ( Bottom View )



转换型  
1 Form C



常开型  
1 Form A



常闭型  
1 Form B

注 Remark :

1. 未标注尺寸公差

Unmarked dimensional tolerance

≤1mm: ±0.2mm ;

(1~5)mm: ±0.3mm ;

≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.

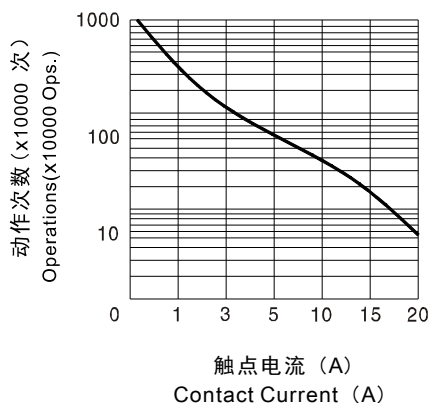
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

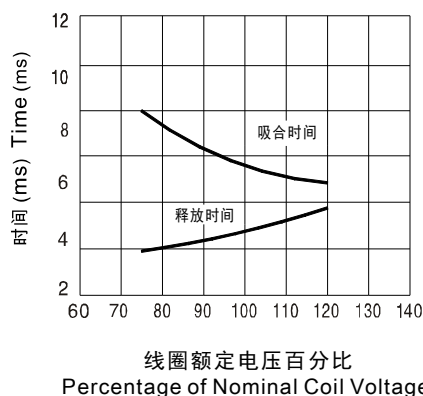
Extended terminal dimension is dimension before soldering.

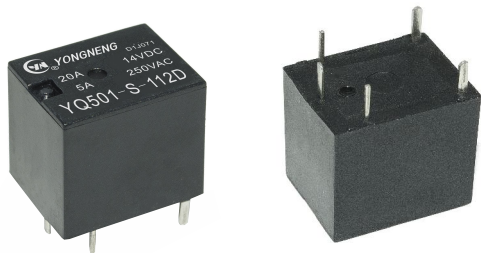
## 性能曲线图 CHARACTERISTIC CURVES

寿命曲线  
Endurance Curve



吸合时间/释放时间  
Operate time/Release time




**特点 Features:**

- 触点容量: 20A触点切换能力  
Contact switching capability: 20A.
- 低功耗  
Low power consumption: 0.36W
- 超小型, 标准印刷线路板式  
Subminiature, standard PCB type

**触点参数 CONTACT DATA**

型号	Model	YQ501
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	20A 14VDC, 5A 250VAC
最大切换电流	Max. Switching Current	20A
最大切换电压	Max. Switching Voltage	30VDC /250VAC
最大切换功率	Max. Switching Power	280W/1250VA
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 6.0g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
5	72.0	69	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 0.36
6	60.0	100				
9	40.0	225				
12	30.0	400				
24	15.0	1600				
5	120.0	42				约 approx. 0.6
6	100.0	60				
9	66.7	135				
12	50.0	240				
24	25.0	960				

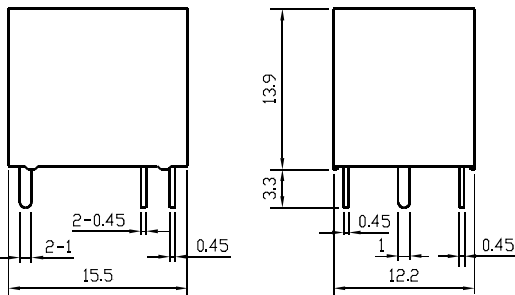
## 订货标记示例 ORDERING INFORMATION

YQ501	-S	-1	12	D	M	
				触点形式 Contact form :		无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
				线圈功耗 Coil power :		D-0.6 W, L-0.36W
				线圈规格 Coil voltage :		5,6,9,12,24 (VDC)
				触点组数 Number of poles :		1-1组 1-1 Group
				封装形式 Protective construction :		S-塑封式 S-Flux proofed
				基本型号 Type designation :		YQ501

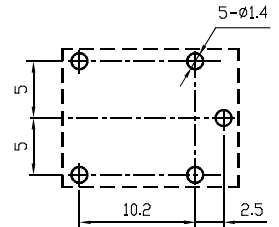
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

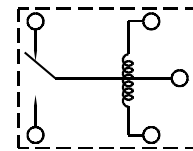
外形尺寸  
Outline Dimensions



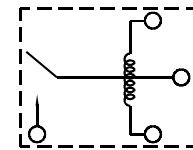
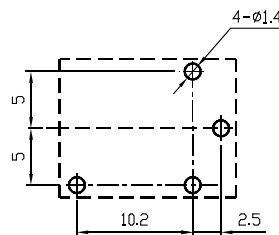
安装孔位图 (底视图)  
PCB Layout (Bottom View)



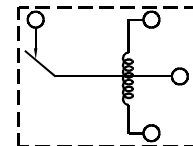
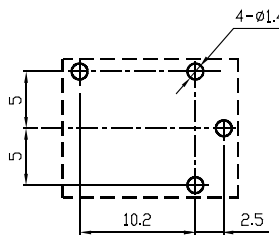
接线图 (底视图)  
Wiring Diagram (Bottom View)



转换型  
1 Form C



常开型  
1 Form A



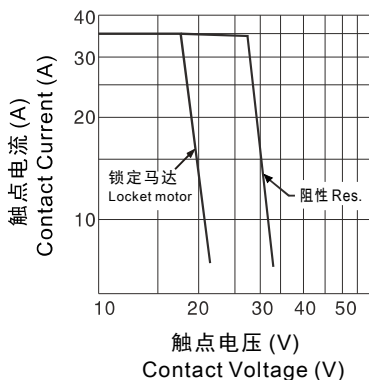
常闭型  
1 Form B

注 Remark :

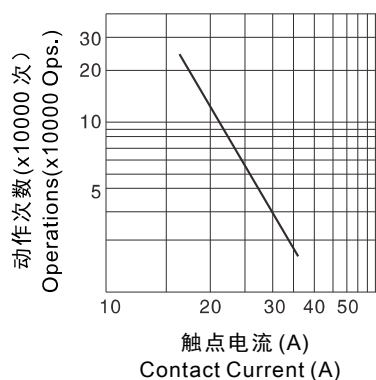
- 未标注尺寸公差  
Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  
 $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  
 $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$  .
- 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
- 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES

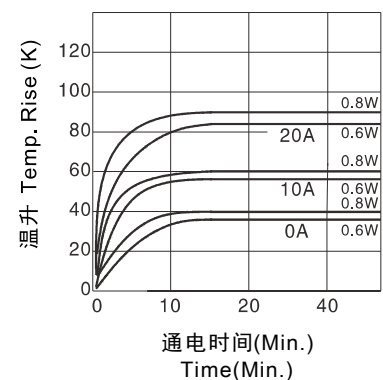
最大切换功率  
Max. Switching Power



寿命曲线  
Endurance Curve



线圈温升  
Coil Temperature Rise




**特点 Features:**

- 触点容量: 40A触点切换能力  
Contact switching capability:40A.
- PCB 端子  
PCB terminals
- 高防震, 防冲击能力  
Highly shockproof and anti-impact performance

**触点参数 CONTACT DATA**

型号	Model	YQ502
触点形式	Contact Arrangement	1A、1B、1C
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	40A 14VDC
最大切换电流	Max. Switching Current	40A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	560W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	6ms Max.
释放时间(不带二极管)	Release Time ( without diode )	3ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 20.0g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	133.3	90	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.6
24	66.7	360				

## 订货标记示例 ORDERING INFORMATION

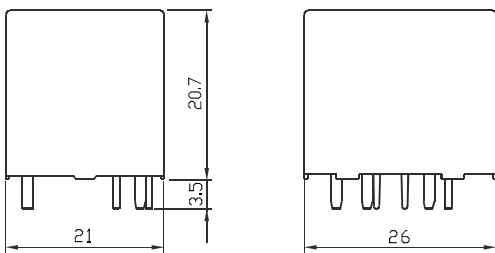
YQ502	-S	-1	12	D	M	U	2	
轭铁脚形式 Yoke Terminal Arrangement :							无-3个轭铁脚, 2-两个轭铁脚 Nil-3 yoke terminals, 2-2 yoke terminals	
端子形式 Terminal Arrangement :							U-美国脚位, E-欧洲脚位 U-USA footprint, E-Europe footprint	
触点形式 Contact form :							无-转换, M-常开, B-常闭; Nil-Form C, M-Form A, B-Form B	
线圈功耗 Coil power :							D-1.6 W	
线圈规格 Coil voltage :							12,24 (VDC)	
触点组数 Number of poles :							1-1组 1-1 Group	
封装形式 Protective construction :							S-塑封式 S-Flux proofed	
基本型号 Type designation :							YQ502	

## 外形尺寸、接线图、安装孔位图 (单位: mm)

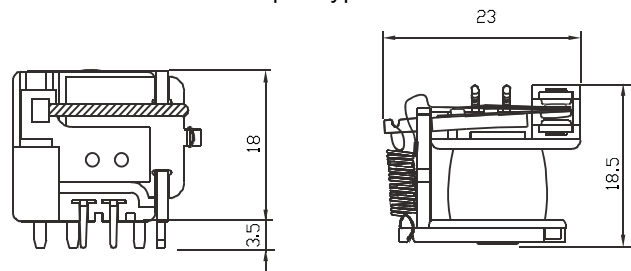
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

### 外形尺寸 Outline Dimensions

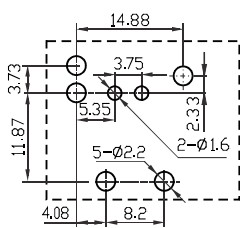
塑封型  
Plastic Sealed type



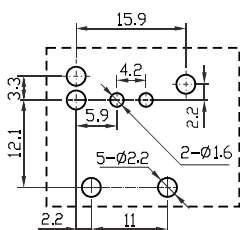
敞开型  
Open type



安装孔位图 (底视图)  
PCB Layout (Bottom View)

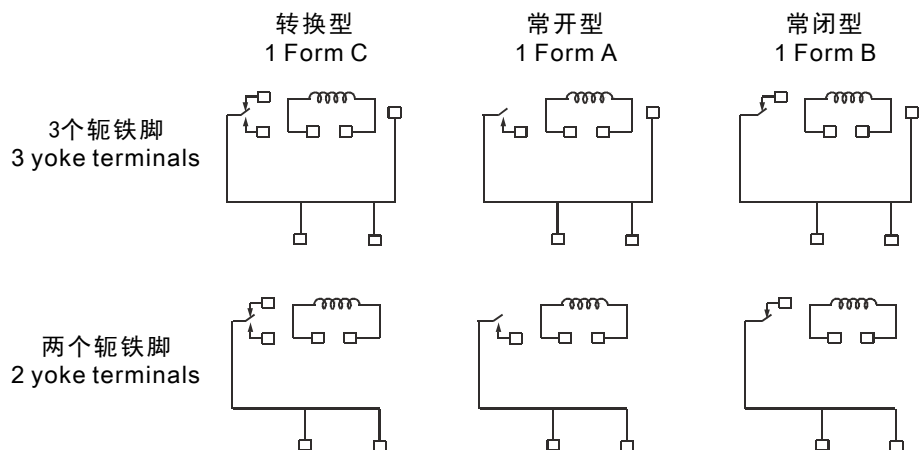


美国脚位(U)  
USA footprint (U)



欧洲脚位(E)  
Europe footprint (E)

接线图 (底视图)  
Wiring Diagram (Bottom View)



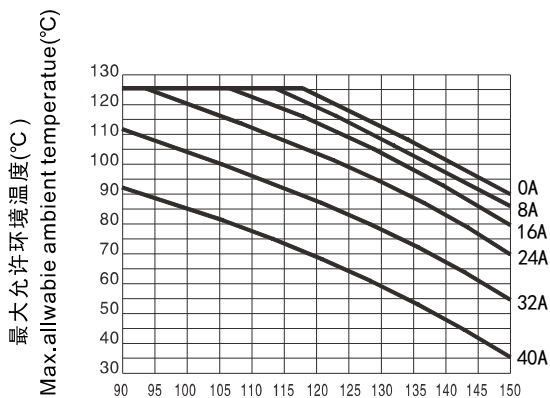
注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
2. 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
3. 引出脚尺寸为预焊前尺寸。  
Extended terminal dimension is dimension before soldering.



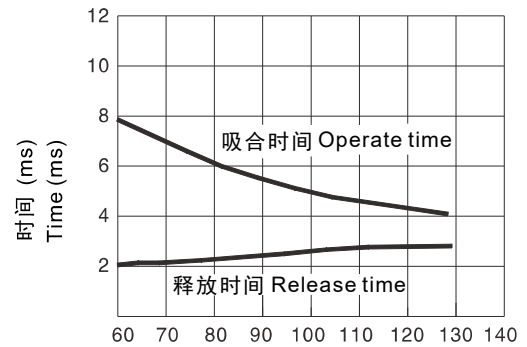
## 性能曲线图 CHARACTERISTIC CURVES

环境温度与线圈电压关系图  
Ambient temperature vs. coil voltage



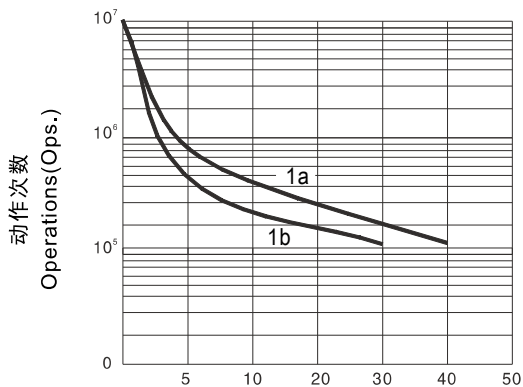
线圈电压额定值百分比  
% of Nominal Coil Voltage

释放时间/吸合时间  
Operate time/Release time



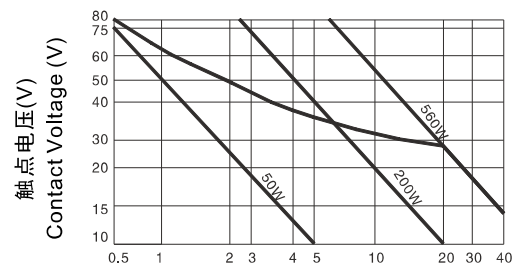
线圈电压额定值百分比  
% of Nominal Coil Voltage

寿命曲线  
Endurance Curve



触点电流(A)  
Contact Current(A)

阻性负载下常开触点的灭弧能力  
Anti-arc capability of N.O. Contacts with Res. Load



触点电流(A)  
Contact Current(A)


**特点 Features:**

- 触点容量: 30A触点切换能力  
Contact switching capability: 30A.
- 可并联电阻或二极管  
Resistor or diode paralleled type available.
- 高防震, 防冲击能力  
Highly shockproof and anti-impact performance

**触点参数 CONTACT DATA**

型号	Model	YQ503
触点形式	Contact Arrangement	1A、1C
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	30A 14VDC
最大切换电流	Max. Switching Current	30A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	420W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介电耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 750VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 750VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 18g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	并联电阻 Parallel resistance (Ω)	等效电阻 Equivalent resistance (Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	133.3	90.0			额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.6/1.8
24	66.7	360.0						
12	150.9	90.0	680.0	79.5	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.3/1.4
24	75.6	360.0	2,700	317.5				
12	109.1	110.0			额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.3/1.4
24	53.9	445.0						
12	121.2	110.0	1,000	99.0				

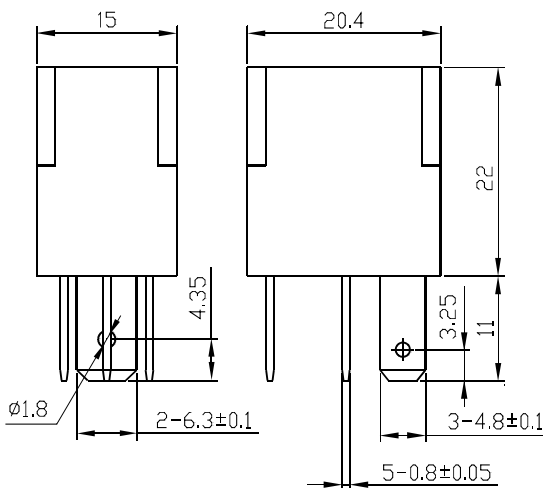
## 订货标记示例 ORDERING INFORMATION

YQ503	-S	-1	12	D	M	R	
附加电路	Accessory Form :	无-不带, D-带二级管, R-带电阻 Nil-Without accessory, D-With diode, R-With resistor					
触点形式	Contact form :	无-转换, M-常开 Nil-Form C, M-Form A					
线圈功耗	Coil power :	D-1.6 W/1.8W; L-1.3W/1.4W					
线圈规格	Coil voltage :	12,24 (VDC)					
触点组数	Number of poles :	1-1组 1-1Group					
封装形式	Protective construction :	S-塑封式 S-Flux proofed					
基本型号	Type designation :	YQ503					

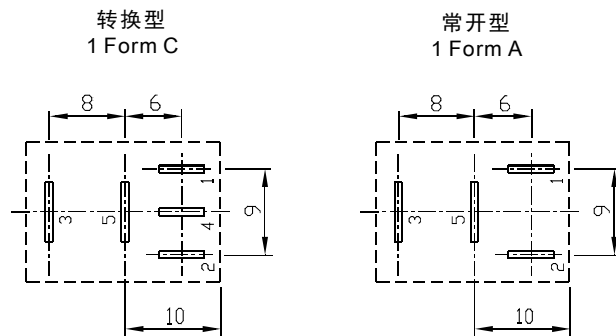
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions



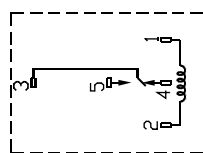
安装孔位图 (底视图)  
PCB Layout ( Bottom View )



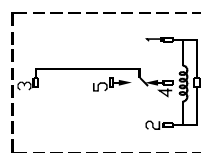
接线图 (底视图)

Wiring Diagram ( Bottom View )

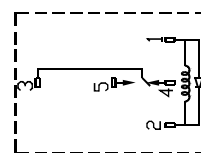
标准型  
Without accessory



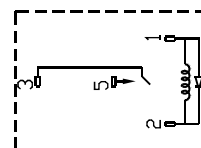
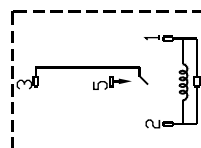
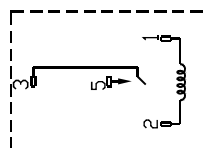
带电阻型  
With resistor



带二极管  
With diode



转换型  
1 Form C



常开型  
1 Form A

注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 30A触点切换能力  
30A switching capability
- 环境温度高达125°C  
Extended temp. ranges up to 125°C
- 高防震, 防冲击性能  
High shockproof and anti-impact performance

**触点参数 CONTACT DATA**

型号	Model	YQ505
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	30A 14VDC
最大切换电流	Max. Switching Current	30A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	420W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 32g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	120.0	100.0	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.44
24	60.0	400.0				

## 订货标记示例 ORDERING INFORMATION

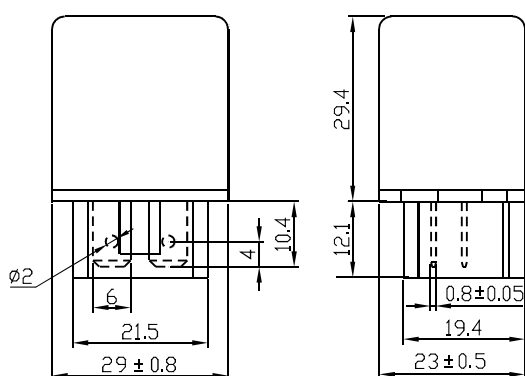
YQ505	-S	-1	12	D	M	F		
							外壳形式 Cover type :	无-不带靠背, F-带靠背 Nil-Without bracket, F-With bracket
							触点形式 Contact form :	M-常开 M-Form A
							线圈功耗 Coil power :	D-1.44 W
							线圈规格 Coil voltage :	12,24 (VDC)
							触点组数 Number of poles :	1-1组 1-1 Group
							封装形式 Protective construction :	S-塑封式 S-Flux proofed
							基本型号 Type designation :	YQ505

## 外形尺寸、接线图、安装孔位图 (单位: mm)

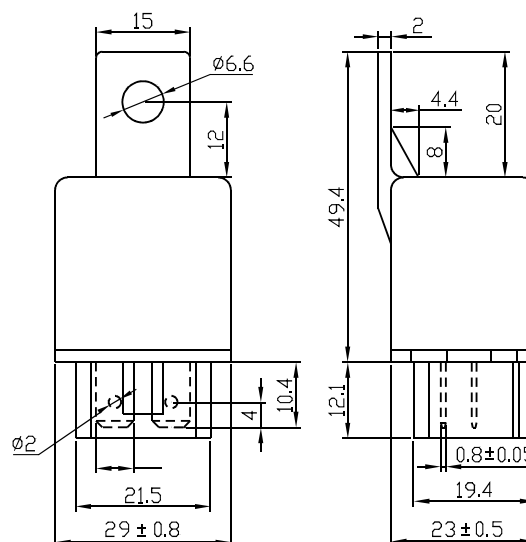
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

### 外形尺寸

### Outline Dimensions



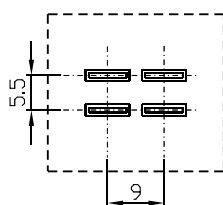
不靠背型 Without bracket



靠背型 With bracket

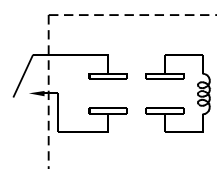
### 装孔位图 (底视图)

### PCB Layout (Bottom View)



### 接线图 (底视图)

### Wiring Diagram (Bottom View)



### 注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 高负载60A  
High switching capability:60A.
- 可并联电阻或二极管  
Resistor or diode paralleled type available.
- 工作温度高达125°C  
Extended temp. ranges up to 125°C.

**触点参数 CONTACT DATA**

型号	Model	YQ506
触点形式	Contact Arrangement	1A ,1B ,1C
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	60A 14VDC ; 40A 14VDC
最大切换电流	Max. Switching Current	60A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	840W ; 560W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts: 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 36g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	并联电阻 Shunt resistance (Ω)	等效电阻 Equivalent resistance (Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	133.3	90			额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.6/1.8
24	75.0	320						
12	150.9	90	680	79.5				
24	83.9	320	2,700	286				

## 订货标记示例 ORDERING INFORMATION

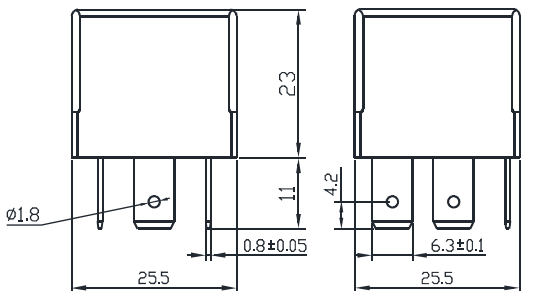
YQ506	-S	-1	12	D	M	F	R	2	
特殊方式	Special mode :	2-常开型中带 87a端子, 无-常开型中无此端子 2-With terminal 87a for Form A Nil-Without this terminal for Form A							
附加电路	Accessory Form :	无-标准型, D-带二极管, R-带电阻 Nil-Without accessory, D-With diode. R-With resistor							
结构形式	Version :	无-无靠背 +QC引出端, F-塑靠背 +QC引出端, F1-铁靠背 +QC引出端子, P-无靠背 +PCB引出端 Ni- Without Bracket & QC Terminal, F- Plastic Bracket & QC Terminal, F1-Iron Bracket & QC Terminal, P-Without Bracket & PCB Terminal							
触点形式	Contact form :	无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B							
线圈功耗	Coil power :	D-1.6/1.8W							
线圈规格	Coil voltage :	12,24 (VDC)							
触点组数	Number of poles :	1-1组 1-1 Group							
封装形式	Protective construction :	S-塑封式 S-Flux proofed							
基本型号	Type designation :	YQ506							

## 外形尺寸、接线图、安装孔位图 (单位: mm)

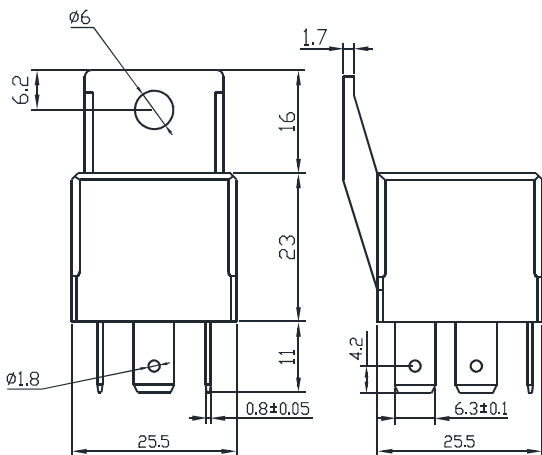
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

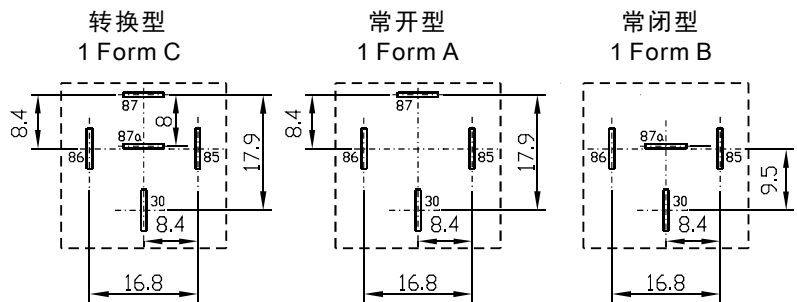
安装孔位图 (底视图)  
PCB Layout (Bottom View)



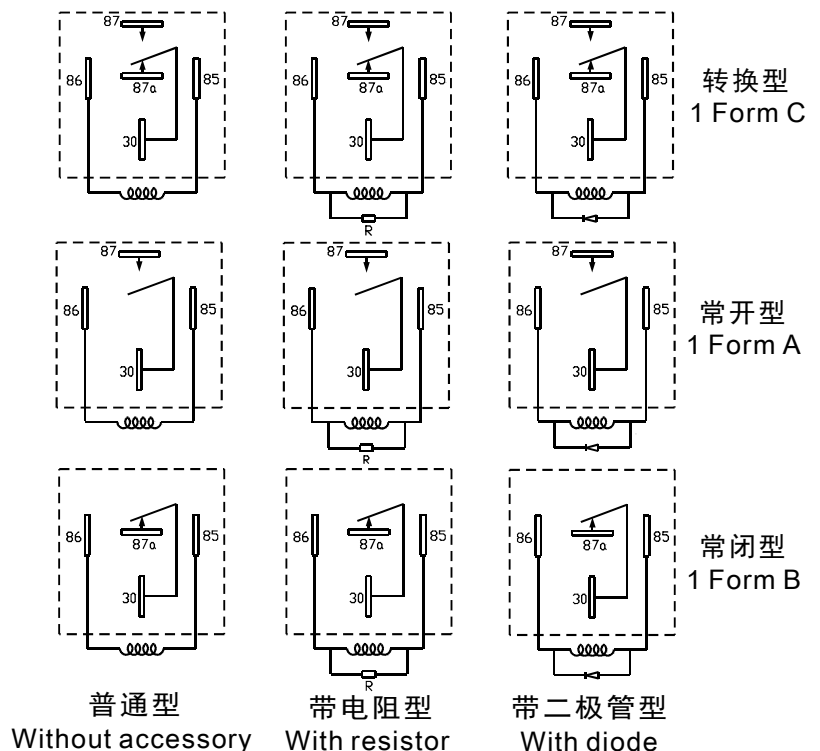
普通型  
Without bracket



塑背型  
Plastic bracket

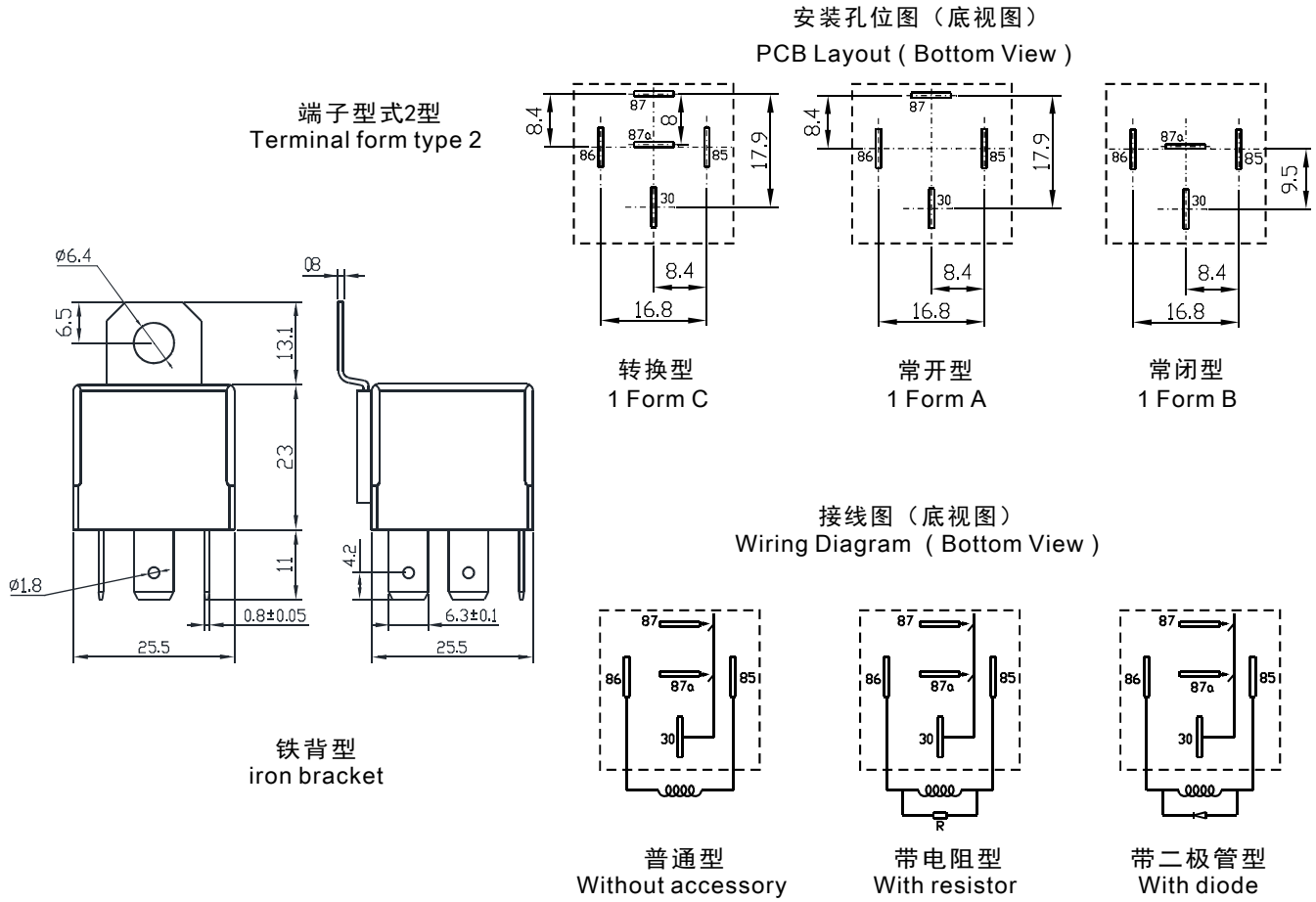


接线图 (底视图)  
Wiring Diagram (Bottom View)



## 外形尺寸、接线图、安装孔位图 (单位: mm)

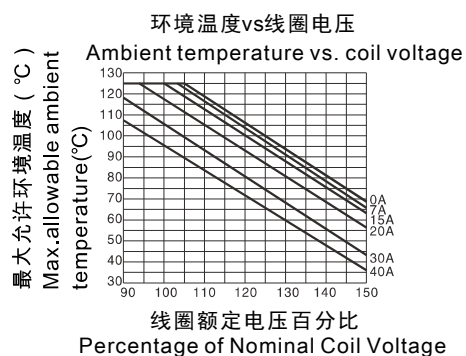
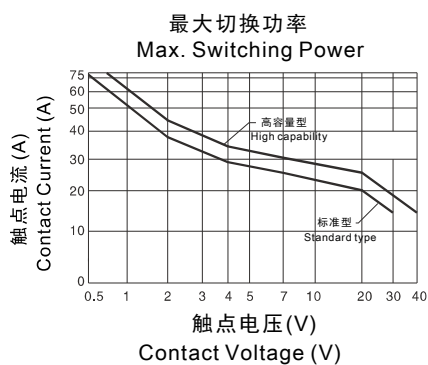
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)



注 Remark :

- 1.未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
- 2.安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
- 3.引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES






**特点 Features:**

- 高触点容量: 80A触点切换能力  
High contact switching capability: 80A.
- 工作温度高达125°C  
Extended temp. ranges up to 125°C.
- 可并联电阻或二极管  
Resistor or diode paralleled type available.

**触点参数 CONTACT DATA**

型号	Model	YQ507
触点形式	Contact Arrangement	1A, 1C
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	80A 14VDC
最大切换电流	Max. Switching Current	80A
最大切换电压	Max. Switching Voltage	50VDC
最大切换功率	Max. Switching Power	1120W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	7ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	普通型 conventional type : 约 Approx. 38g , PCB : 约 Approx. 37g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	并联电阻 Parallel resistance (Ω)	等效电阻 Equivalent resistance (Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	133.5	90			额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.6/1.8
24	67.0	360						
12	150.9	90	680	79.5				
24	75.6	360	2,700	317.5				
12	167.0	72			额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 2.0/2.2
24	83.5	288						
12	184.6	72	680	65				
24	92.3	288	2,700	260				

## 订货标记示例 ORDERING INFORMATION

YQ507	-S	-1	12	D	M	F	R	
附加电路		Accessory Form :		无-标准型, D-带二极管, R-带电阻 Nil-Without accessory, D-With diode, R-With resistor				
结构形式		Version :		无-无靠背+QC引出端, F-塑靠背+QC引出端, F1-铁靠背+QC引出端子,P-无靠背+PCB引出端 Ni- Without Bracket & QC Terminal, F- Plastic Bracket & QC Terminal, F1-Iron Bracket & QC Terminal, P-Without Bracket & PCB Terminal				
触点形式		Contact form :		无-转换, M-常开 Nil-Form C, M-Form A				
线圈功耗		Coil power :		D-1.6W/1.8W; H-2.0W/2.2W				
线圈规格		Coil voltage :		12,24(VDC)				
触点组数		Number of poles :		1-1组 1-1 Group				
封装形式		Protective construction :		S-塑封式 S-Flux proofed				
基本型号		Type designation :		YQ507				

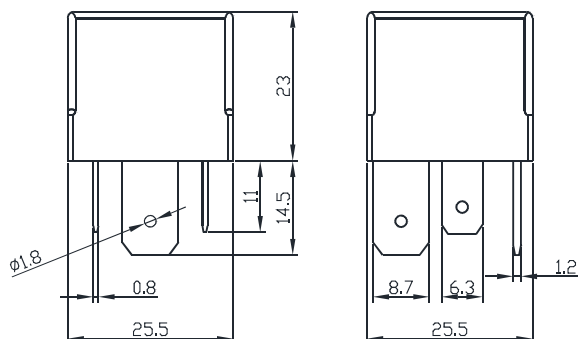
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸

Outline Dimensions

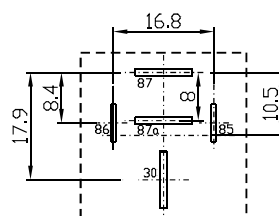
标准型  
standard type



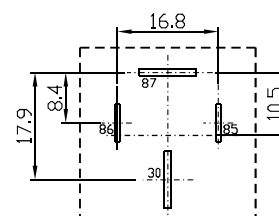
安装孔位图 (底视图)

PCB Layout ( Bottom View )

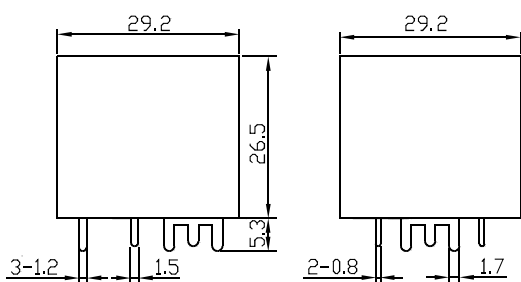
转换型  
1 Form C



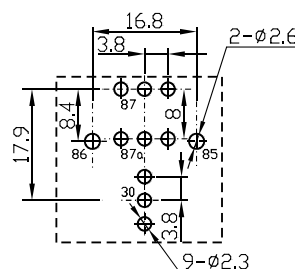
常开型  
1 Form A



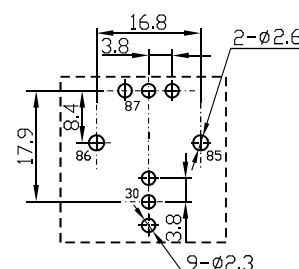
PCB型  
PCB type



转换型  
1 Form C

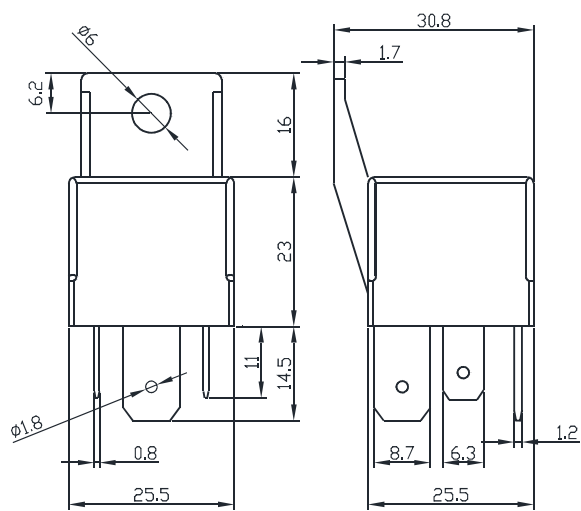


常开型  
1 Form A



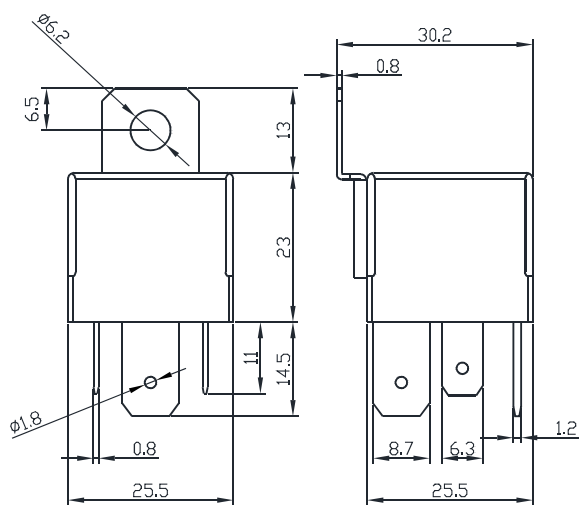
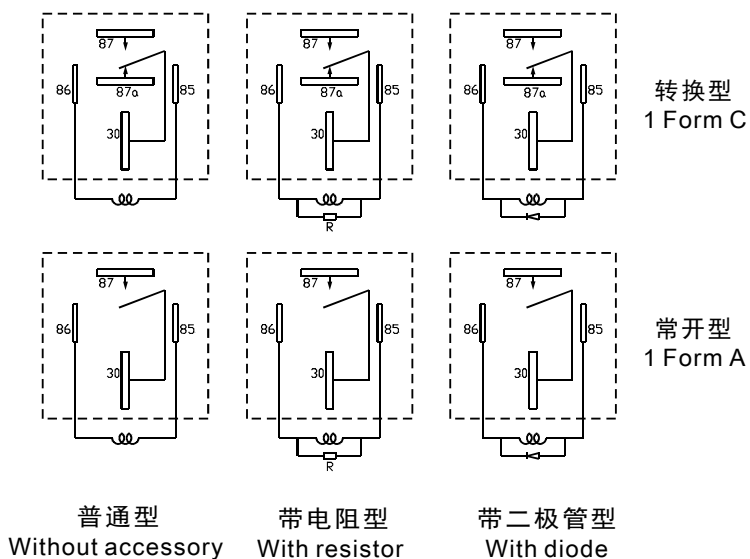
## 外形尺寸、接线图、安装孔位图 (单位: mm) OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions



塑背型  
Plastic Bracket

接线图 (底视图)  
Wiring Diagram (Bottom View)



铁背型  
Iron Bracket

注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.


**特点 Features :**

- 触点容量 : 20A触点切换能力  
Contact switching capability:20A
- 工作温度高达125°C  
Extended temp. ranges up to 125°C
- 体积小重量轻  
Small size and light weight

**触点参数 CONTACT DATA**

型号	Model	YQ508
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	20A 14VDC
最大切换电流	Max. Switching Current	30A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	280W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 31g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	120.0	100.0	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.44
24	60.0	400.0				

## 订货标记示例 ORDERING INFORMATION

YQ508	-S	-1	12	D	M	F	
外壳形式		Cover type :		无-不带靠背, F-带靠背 Nil-Without bracket, F-With bracket			
触点形式		Contact form :		M-常开 M-Form A			
线圈功耗		Coil power :		D-1.44 W			
线圈规格		Coil voltage :		12,24 (VDC)			
触点组数		Number of poles :		1-1组 1-1 Group			
封装形式		Protective construction :		S-塑封式 S-Flux proofed			
基本型号		Type designation :		YQ508			

## 外形尺寸、接线图、安装孔位图 (单位: mm)

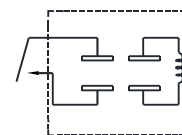
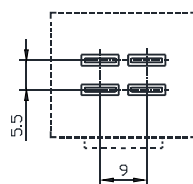
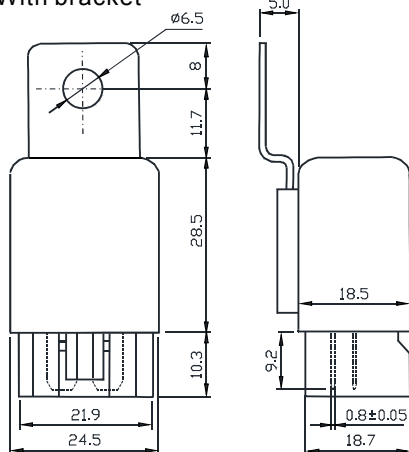
### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

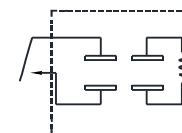
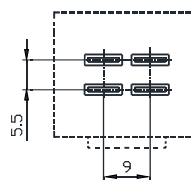
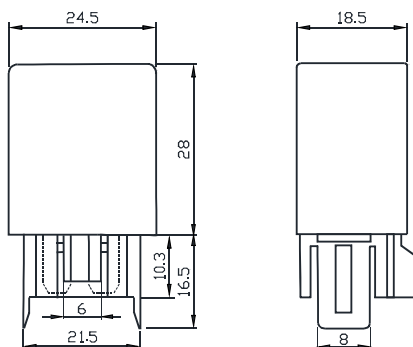
安装孔位图 (底视图)  
PCB Layout (Bottom View)

接线图 (底视图)  
Wiring Diagram (Bottom View)

带靠背  
With bracket

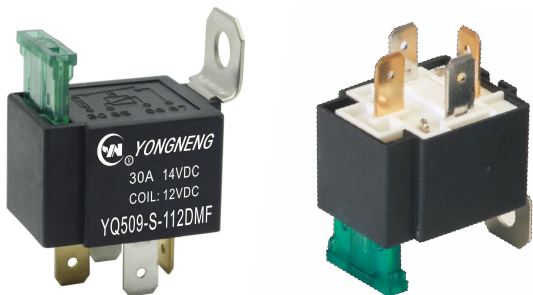


不带靠背  
Without bracket



注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
2. 安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
3. 引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.


**特点 Features :**

- 触点容量: 30A触点切换能力  
Contact switching capability: 30A
- 工作温度高达125°C  
Extended temp. ranges up to 125°C
- 带保险丝设计  
Design with fuse

**触点参数 CONTACT DATA**

型号	Model	YQ509
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	30A 14VDC
最大切换电流	Max. Switching Current	30A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	420W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time ( at nomi.volt. )	10ms Max.
释放时间(不带二极管)	Release Time ( without diode )	5ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 31.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	150.0	80.0	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 65 %	额定电压的 of rated voltage 20 %	约 approx. 1.8
24	75.0	320.0				

## 订货标记示例 ORDERING INFORMATION

YQ509	-S	-1	12	D	M	F		
							外壳形式 Cover type :	无-不带靠背, F-带靠背 Nil-Without bracket, F-With bracket
							触点形式 Contact form :	M-常开 M-Form A
							线圈功耗 Coil power :	D-1.8 W
							线圈规格 Coil voltage :	12,24 (VDC)
							触点组数 Number of poles :	1-1组 1-1 Group
							封装形式 Protective construction :	S-塑封式 S-Flux proofed
							基本型号 Type designation :	YQ509

## 外形尺寸、接线图、安装孔位图 (单位: mm)

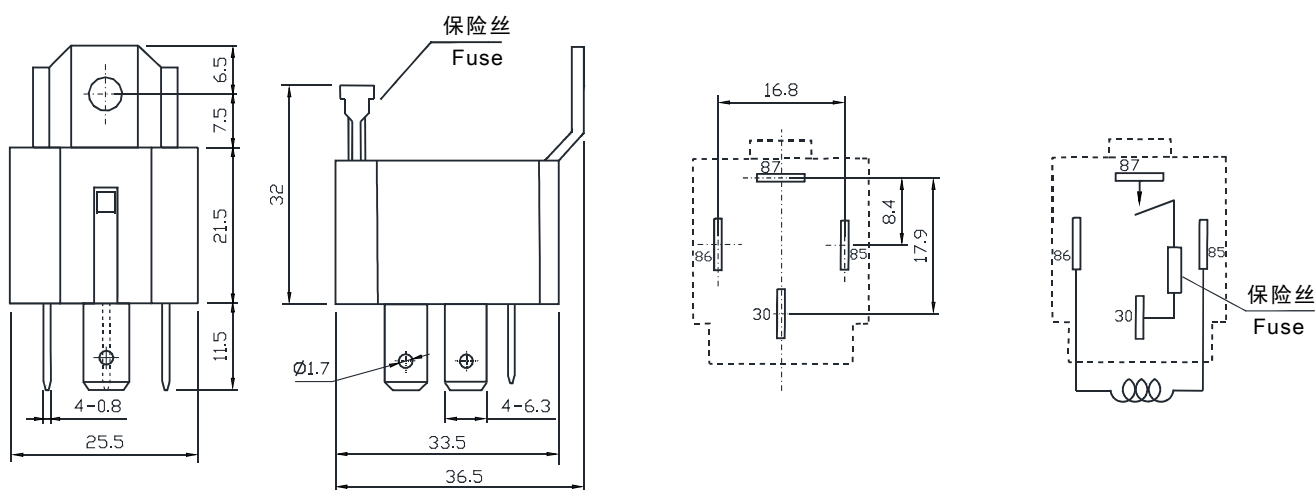
### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸  
Outline Dimensions

安装孔位图 (底视图)  
PCB Layout ( Bottom View )

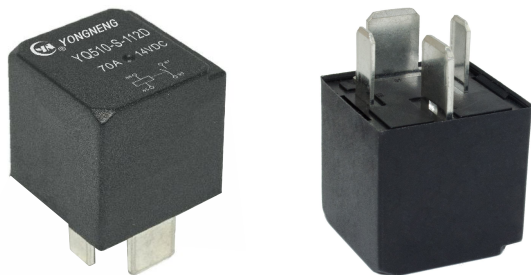
接线图 (底视图)  
Wiring Diagram ( Bottom View )

靠背型  
With bracket



#### 注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 高触点容量: 70A触点切换能力  
High contact switching capability: 70A.
- 工作温度高达125°C  
Extended temp. ranges up to 125°C.
- 可并联电阻或二极管  
Resistor or diode paralleled type available.

**触点参数 CONTACT DATA**

型号	Model	YQ510
触点形式	Contact Arrangement	1A
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	70A 14VDC
最大切换电流	Max. Switching Current	70A
最大切换电压	Max. Switching Voltage	50VDC
最大切换功率	Max. Switching Power	980W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time (at nomi.volt.)	10ms Max.
释放时间(不带二极管)	Release Time (without diode)	7ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 34.3g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	并联电阻 Parallel resistance (Ω)	等效电阻 Equivalent resistance (Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	133.5	90.0			额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.6/1.8
24	66.7	360.0						
12	150.9	90.0	680.0	79.5				
24	75.6	360.0	2,700.0	317.5				



## 订货标记示例 ORDERING INFORMATION

YQ510	-S	-1	12	D	M	R	1	
脚位长度 Foot length :		1-长脚型, 2-短脚型		1-Long foot 2-Short foot				
附加电路 Accessory Form :		无-标准型, D-带二极管, R-带电阻		Nil-Without accessory, D-With diode, R-With resistor				
触点形式 Contact form :		M-常开		M-Form A				
线圈功耗 Coil power :		D-1.6W						
线圈规格 Coil voltage :		12,24 (VDC)						
触点组数 Number of poles :		1-1组		1-1 Group				
封装形式 Protective construction :		S-塑封式		S-Flux proofed				
基本型号 Type designation :		YQ510						

## 外形尺寸、接线图、安装孔位图 (单位: mm)

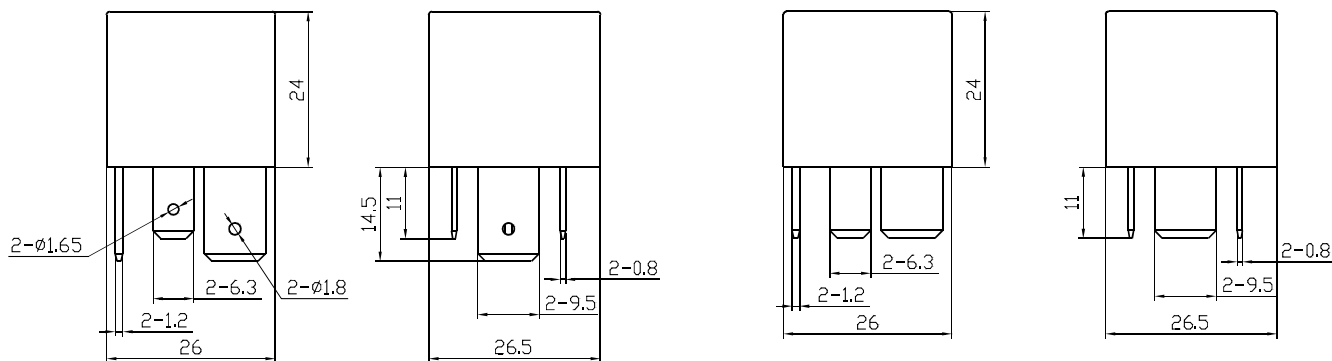
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

### 外形尺寸

### Outline Dimensions

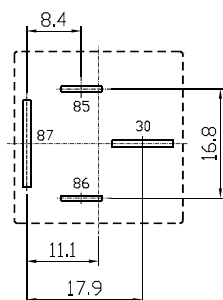
#### 长脚型 Long foot

#### 短脚型 Short foot



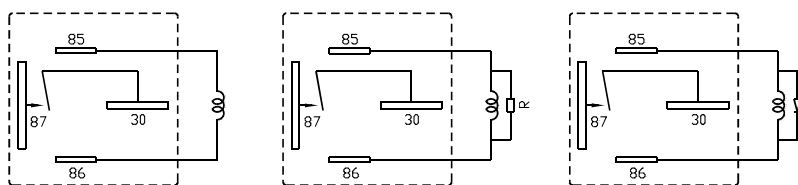
### 安装孔位图 (底视图)

### PCB Layout (Bottom View)



### 接线图 (底视图)

### Wiring Diagram (Bottom View)



#### 普通型

Without accessory

#### 带电阻型

With resistor

#### 带二极管型

With diode

### 注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$ ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$ ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 防尘罩和塑封型可供选择  
Dust protected type and sealed type available.
- 可带瞬态抑制电阻  
With transient suppression resistor.
- 工作温度高达125°C  
Extended temp. ranges up to 125°C.

**触点参数 CONTACT DATA**

型号	Model	YQ511
触点形式	Contact Arrangement	1A、1C
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	30A 14VDC
最大切换电流	Max. Switching Current	30A
最大切换电压	Max. Switching Voltage	27VDC
最大切换功率	Max. Switching Power	420W
机械寿命	Mechanical endurance	1x10 <sup>6</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time (at nomi.volt.)	10ms Max.
释放时间(不带二极管)	Release Time (without diode)	10ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+125°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 20g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	并联电阻 Parallel resistance (Ω)	等效电阻 Equivalent resistance (Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	110.1	109.0			额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 60 %	额定电压的 of rated voltage 10 %	约 approx. 1.3
12	133.3	90.0	680.0	93.9				约 approx. 1.5
24	66.7	360.0						约 approx. 1.6
24	66.7	360.0	2,700.0	317.6				约 approx. 1.8

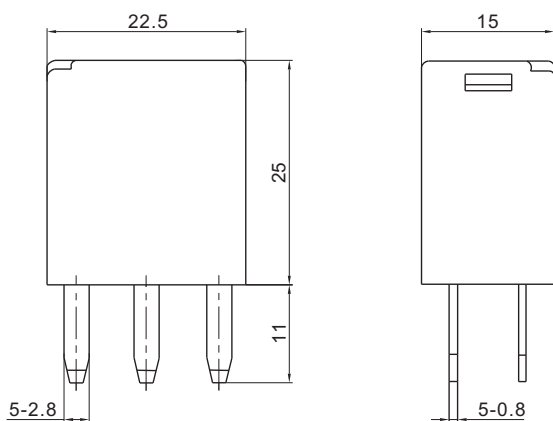
## 订货标记示例 ORDERING INFORMATION

YQ511	-S	-1	12	D	M	R	
附加电路	Accessory Form :	无-标准型, D-带二极管, R-带电阻 Nil-Without accessory, D-With diode, R-With resistor					
触点形式	Contact form :	M-常开, 无-转换型 M-Form A, Ni-Form C					
线圈功耗	Coil power :	D-1.3W, 1.5W, 1.6W, 1.8W					
线圈规格	Coil voltage :	12,24 (VDC)					
触点组数	Number of poles :	1-1组 1-1 Group					
封装形式	Protective construction :	S-塑封式 S-Flux proofed					
基本型号	Type designation :	YQ511					

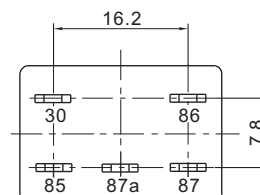
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

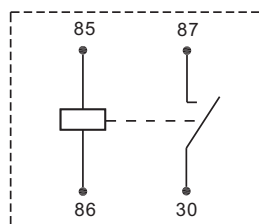
外形尺寸  
Outline Dimensions



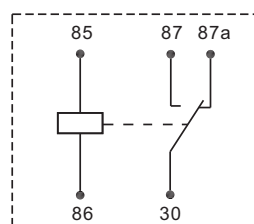
安装孔位图 (底视图)  
PCB Layout ( Bottom View )



接线图 (底视图)  
Wiring Diagram ( Bottom View )



常开型  
1 Form A

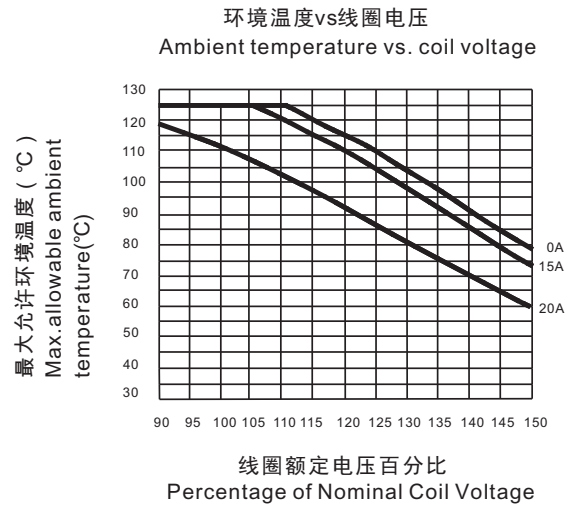
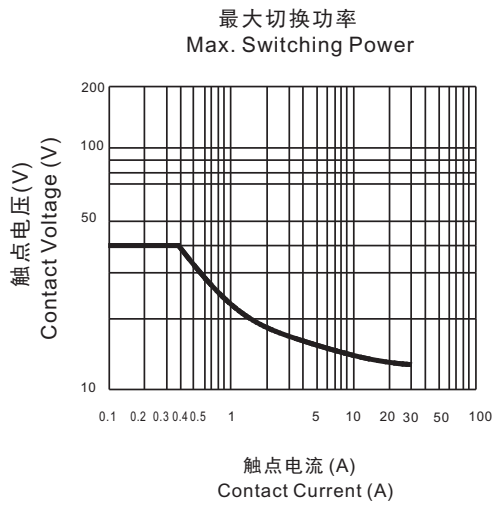


转换型  
1 Form C

注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

## 性能曲线图 CHARACTERISTIC CURVES




**特点 Features:**

- 高负载20A  
High switching capability:20A.
- 具有六种触点形式  
6 kinds of contact arrangement.
- 外形尺寸：17.25×14.7×19.5mm  
Outline dimensions: 17.25×14.7×19.5mm.

**触点参数 CONTACT DATA**

型号	Model	YQ512
触点形式	Contact Arrangement	1A、1B、1C、2A、2B、2C
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	20A 14VDC
最大切换电流	Max. Switching Current	20A
最大切换电压	Max. Switching Voltage	30VDC
最大切换功率	Max. Switching Power	280W
机械寿命	Mechanical endurance	1x10 <sup>6</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time (at nomi.volt.)	10ms Max.
释放时间(不带二极管)	Release Time (without diode)	10ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 12g

**线圈参数 COIL DATA (at 23°C)**

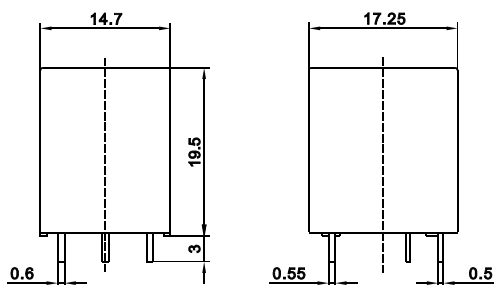
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
6	214.3	28.0	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 70 %	额定电压的 of rated voltage 10 %	约 approx. 1.1
12	92.3	130.0				
24	46.2	520.0				

## 订货标记示例 ORDERING INFORMATION

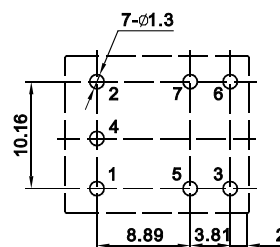
YQ512	-S	-1	12	D	M	
					触点形式 Contact form :	M-常开,B-常闭,无-转换 M-Form A , B-Form B , Ni-Form C
					线圈功耗 Coil power :	D-1.1W
					线圈规格 Coil voltage :	6,12,24 (VDC)
					触点组数 Number of poles :	1-1组,2-2组 1-1 Group , 2-2 Group
					封装形式 Protective construction :	S-塑封式 S-Flux proofed
					基本型号 Type designation :	YQ512

## 外形尺寸、接线图、安装孔位图 (单位: mm)

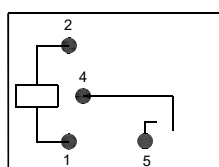
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)



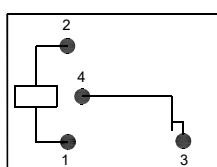
外形尺寸  
Outline Dimensions



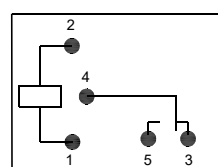
安装孔位图 (底视图)  
PCB Layout ( Bottom View )



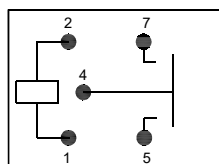
1A



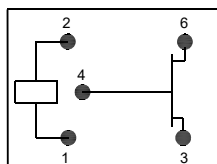
1B



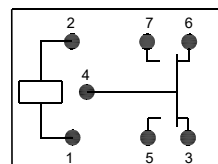
1C



2A



2B



2C

接线图 (底视图)  
Wiring Diagram ( Bottom View )

注 Remark :

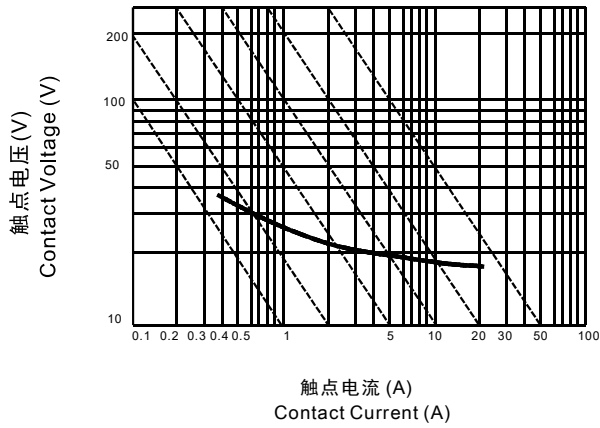
1.未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .

2.安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .

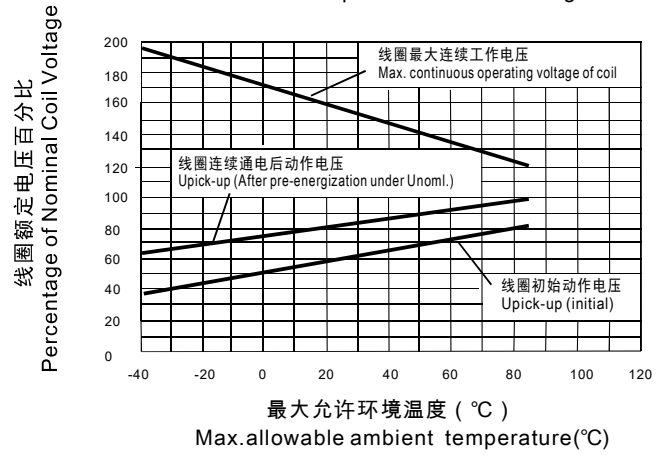
3.引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.

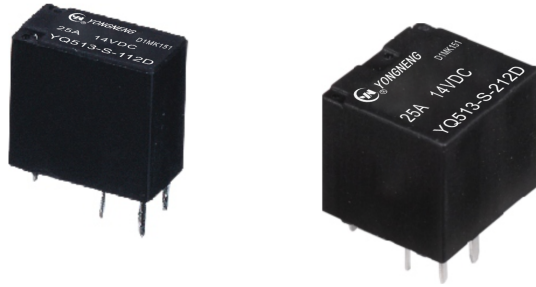
## 性能曲线图 CHARACTERISTIC CURVES

最大切换功率  
Max. Switching Power



环境温度vs线圈电压  
Ambient temperature vs. coil voltage




**特点 Features:**

- 体积小, 重量轻  
Small size and light weight.
- 线圈功耗低  
Low coil power consumption.
- 电机负载能力: 25A  
Motor load capacity: 25A.

**触点参数 CONTACT DATA**

型号	Model	YQ513
触点形式	Contact Arrangement	1A、1C、2A、2C
接触电阻	Contact Resistance	50mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	25A 14VDC
最大切换电流	Max. Switching Current	30A
最大切换电压	Max. Switching Voltage	16VDC
最大切换功率	Max. Switching Power	480W
机械寿命	Mechanical endurance	1x10 <sup>6</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Operate Time (at nomi.volt.)	10ms Max.
释放时间(不带二极管)	Release Time (without diode)	10ms Max.
绝缘电阻	Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 500VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	单继电器: 约 Approx. 4g 双继电器: 约 Approx. 8g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
12	53.3	225.0	额定电压的 of rated voltage 130 %	额定电压的 of rated voltage 60 %	额定电压的 of rated voltage 10 %	约 approx. 0.65
12	66.7	180.0		额定电压的 of rated voltage 54 %		约 approx. 0.8



## 订货标记示例 ORDERING INFORMATION

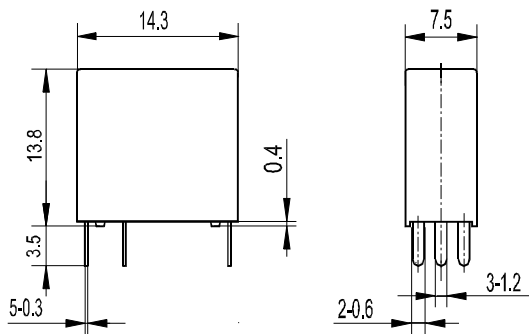
YQ513	-S	-1	12	D	M	
						触点形式 Contact form: M-常开,无-转换 M-Form A, Nil-Form C
						线圈功耗 Coil power: D-0.65W, H-0.8W
						线圈规格 Coil voltage: 12 (VDC)
						触点组数 Number of poles: 1-1组, 2-2组 1-1 Group, 2-2 Group
						封装形式 Protective construction: S-塑封式 S-Flux proofed
						基本型号 Type designation: YQ513

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

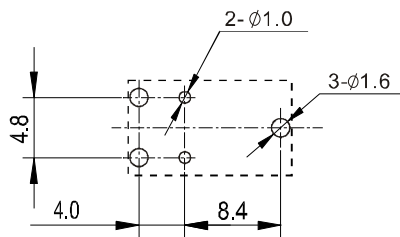
外形尺寸

Outline Dimensions



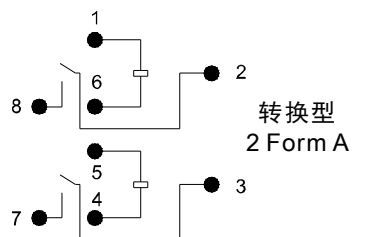
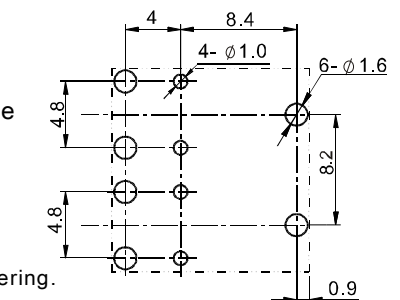
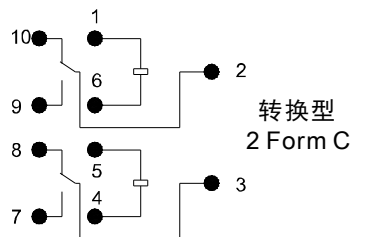
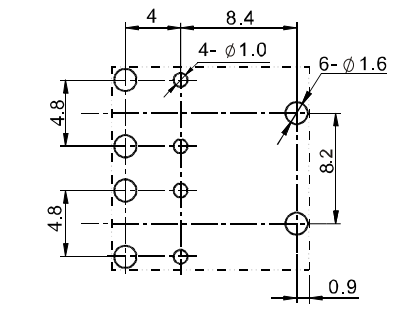
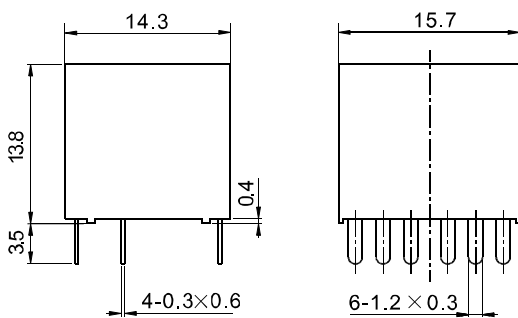
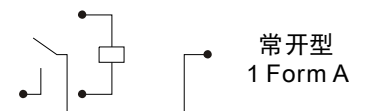
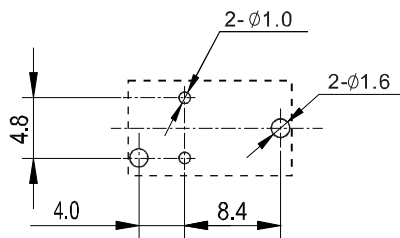
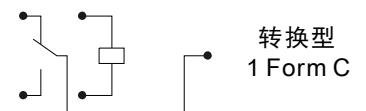
安装孔位图 (底视图)

PCB Layout (Bottom View)



接线图 (底视图)

Wiring Diagram (Bottom View)



注 Remark:

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$ ; (1~5)mm:  $\pm 0.3\text{mm}$ ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .

2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .

3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 触点容量: 100A触点切换能力  
Contact switching capability: 100A.
- 可长期可靠工作在电容补偿电路中  
Reliable in power compensation circuit for a long time.
- 环保节能(符合RoHS)

**触点参数 CONTACT DATA**

型号	Model	YC602
触点形式	Contact Arrangement	1A、1B
接触电阻	Contact Resistance	0.8mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	100A 250VAC
最大切换电流	Max. Switching Current	100A
最大切换电压	Max. Switching Voltage	440VAC/110VDC
最大切换功率	Max. Switching Power	25000VA
机械寿命	Mechanical endurance	1x10 <sup>5</sup> 次 OPS
电气寿命	Electrical endurance	5x10 <sup>4</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Set Time ( at nomi.volt. )	20ms Max.
复归时间(额定电压下)	ResetTime ( without diode )	20ms Max.
绝缘电阻	Insulation Resistance	Min.1000Mohms ( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,800VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+85°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 63g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	脉冲宽度 Pulse duration ms (Min.)	吸合电压 Operate voltage VDC (Max.)	线圈类型 Coil type :
6	462	13	50ms	额定电压的 of rated voltage 70 %	单线圈 Single coil
9	300	30			
12	235	51			
24	117	206			
6	429	2*7	50ms	额定电压的 of rated voltage 70 %	双线圈 Dual coil
9	281	2*16			
12	231	2*26			
24	117	2*103			

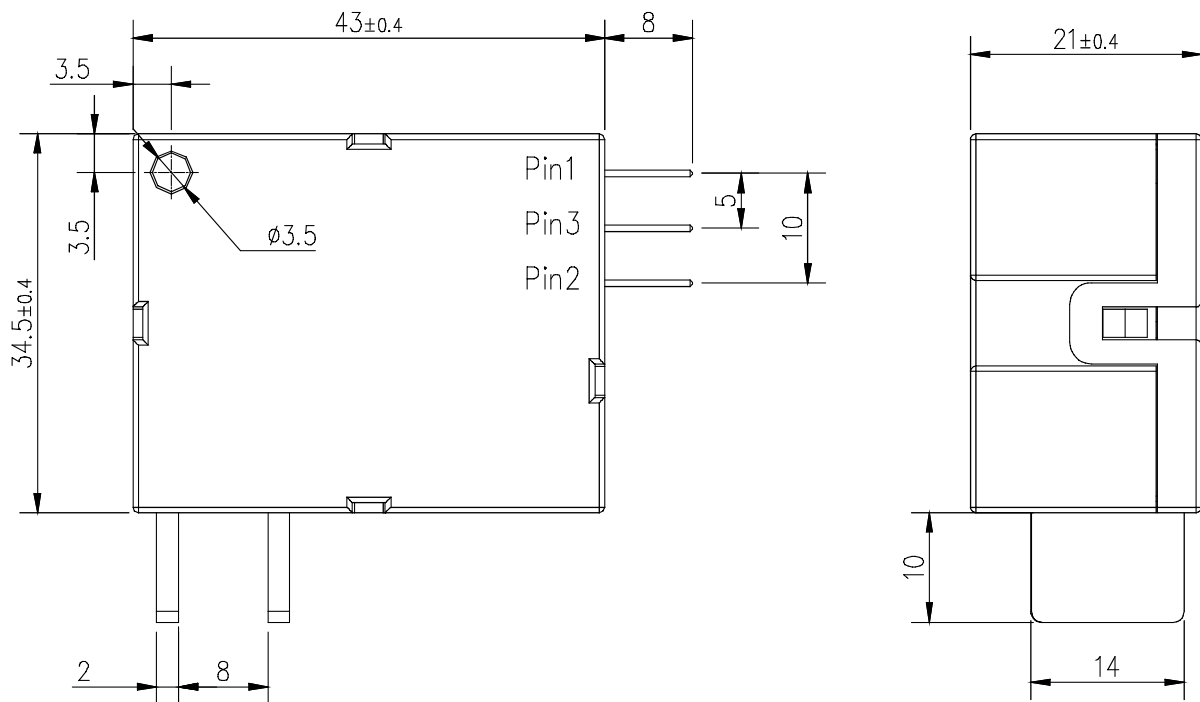
## 订货标记示例 ORDERING INFORMATION

YC602	-100A	-1	12	D	M	1		
							线圈类型 Coil type :	1-单线圈 Single coil 2-双线圈 Dual coil
							触点形式 Contact form :	M-常开, B-常闭 M-Form A, B-Form B
							线圈功耗 Coil power :	D-标准功耗 D-Standard power consumption
							线圈规格 Coil voltage :	06,09,12,24,48 (VDC)
							触点组数 Number of poles :	1-1组 1-1 Group
							额定电流 Rated current :	100A - 100A
							基本型号 Type designation :	YC602

## 安装尺寸和接线图 (单位: mm)

## Installation Size And WIRING DIAGRAM (Unit: mm)

安装尺寸  
Installation Size



注 Remark :

1. 未标注尺寸公差

Unmarked dimensional tolerance

- $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;
- (1~5)mm:  $\pm 0.3\text{mm}$  ;
- $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .

2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .

The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .

3. 引出脚尺寸为预焊前尺寸.

Extended terminal dimension is dimension before soldering.

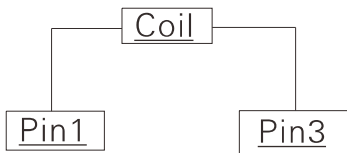
## 接线图 WIRING DIAGRAM

### 单线圈 SINGLE COIL

### 双线圈 DUAL COIL

Positive polarity

正极性



+ve release -ve

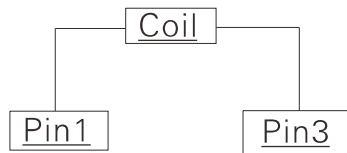
释放

-ve operate +ve

吸合

Negative polarity

反极性



-ve release +ve

释放

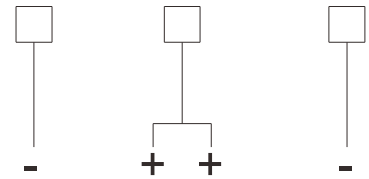
+ve operate -ve

吸合

Pin1

Pin2

Pin3



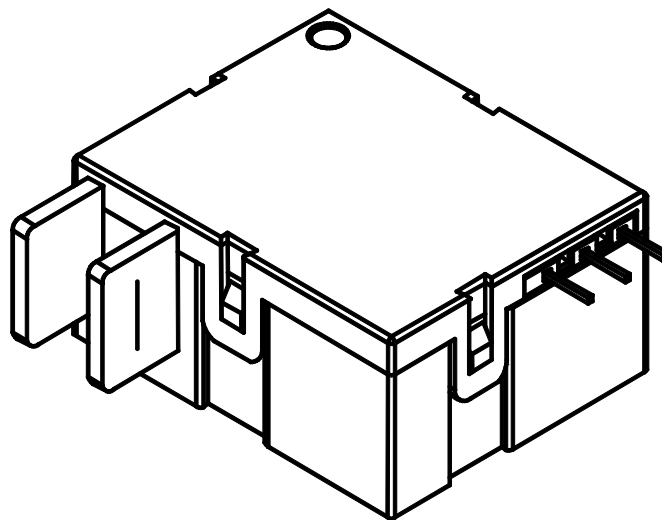
operate

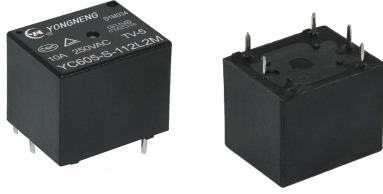
吸合

release

释放

## 典型外形图 TYPICAL TYPE




**特点 Features:**

- 触点容量: 10A触点切换能力  
Contact switching capability: 10A.
- 超小型低功率磁保持继电器  
Subminiature low power latching relay.
- 标准印制板引出脚 Standard PCB layout terminals

**触点参数 CONTACT DATA**

型号	Model	YC605
触点形式	Contact Arrangement	1A、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	10A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	2500VA/300W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下) Set Time ( at nomi.volt. )	5ms Max.
复归时间(额定电压下) ResetTime ( without diode )	5ms Max.
绝缘电阻 Insulation Resistance	100MΩ Min.( 500VDC )
介质耐压 Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
	触点与线圈间 Between Coil & Contacts: 1,500VAC, 50/60Hz 1 min.
抗振性 Vibration resistance	误动作 Functional: 10~55Hz 双振幅1.5mm( DA )
	耐久 Destructive: 10~55Hz 双振幅1.5mm( DA )
抗冲击 Shock resistance	误动作 Functional: 10G Min.
	耐久 Destructive: 100G Min.
环境温度 Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量 Unit Weight	约 Approx. 8.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	脉冲宽度 Pulse duration ms (Min.)	吸合电压 Operate voltage VDC (Max.)	复位电压 Release voltage VDC (Max.)	额定功率 Rated coil power (W)
3	66.7	45	50ms	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 75 %	约 approx. 0.2W (单线圈 single coil)
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
15	13.3	1125				
18	11.1	1620				
24	8.3	2880				
36	5.6	6480				
48	4.2	11520				

## 线圈参数 COIL DATA (at 23°C)

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	脉冲宽度 Pulse duration ms (Min.)	吸合电压 Operate voltage VDC (Max.)	复位电压 Release voltage VDC (Max.)	额定功率 Rated coil power (W)
3	120.0	25	50ms	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 75 %	约 approx. 0.36W (双线圈 dual coil)
5	71.4	70				
6	60.0	100				
9	40.0	225				
12	30.0	400				
15	24.0	625				
18	20.0	900				
24	15.0	1,600				
36	10.0	3,600				
48	7.5	6,400				

## 订货标记示例 ORDERING INFORMATION

YC605	-S	-1	12	L1	M	X	
							极性特点 Polarity characteristics: 无-标准极性, R-反极性, S-特殊极性, Nil-Standard polarity, R-Reverse polarity, S-Special polarity
							触点形式 Contact form: 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B
							线圈类型 Coil type: L1-单线圈 Single coil 0.2W; L2-双线圈 Dual coil 0.36W.
							线圈规格 Coil voltage: 03,05,06,09,12,15,18,24,36,48 (VDC)
							触点组数 Number of poles: 1-1组 1-1 Group
							封装形式 Protective construction: S-塑封式 S-Flux proofed
							基本型号 Type designation: YC605

## 外形尺寸、接线图、安装孔位图 (单位: mm)

### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸

Outline Dimensions

安装孔位图 (底视图)

PCB Layout (Bottom View)

### 双线圈 Dual coil

标准脚位  
Standard foot position

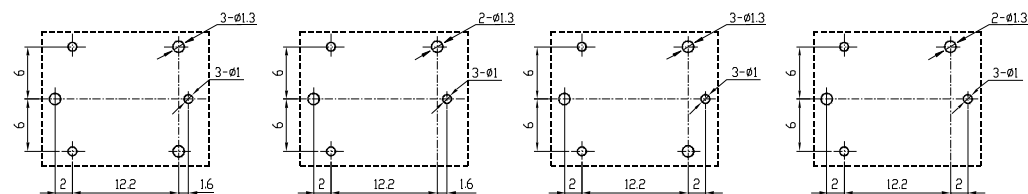
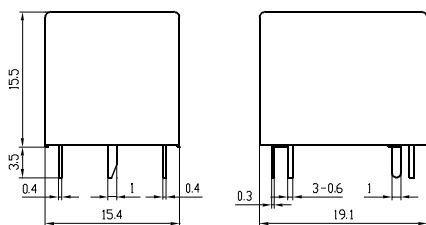
特殊脚位  
Special foot position

转换型  
1 Form C

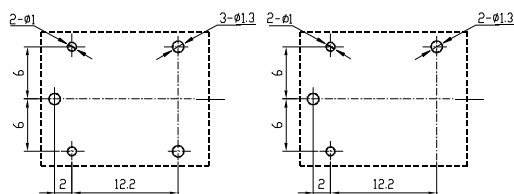
常开型  
1 Form A

转换型  
1 Form C

常开型  
1 Form A



### 单线圈 Single coil

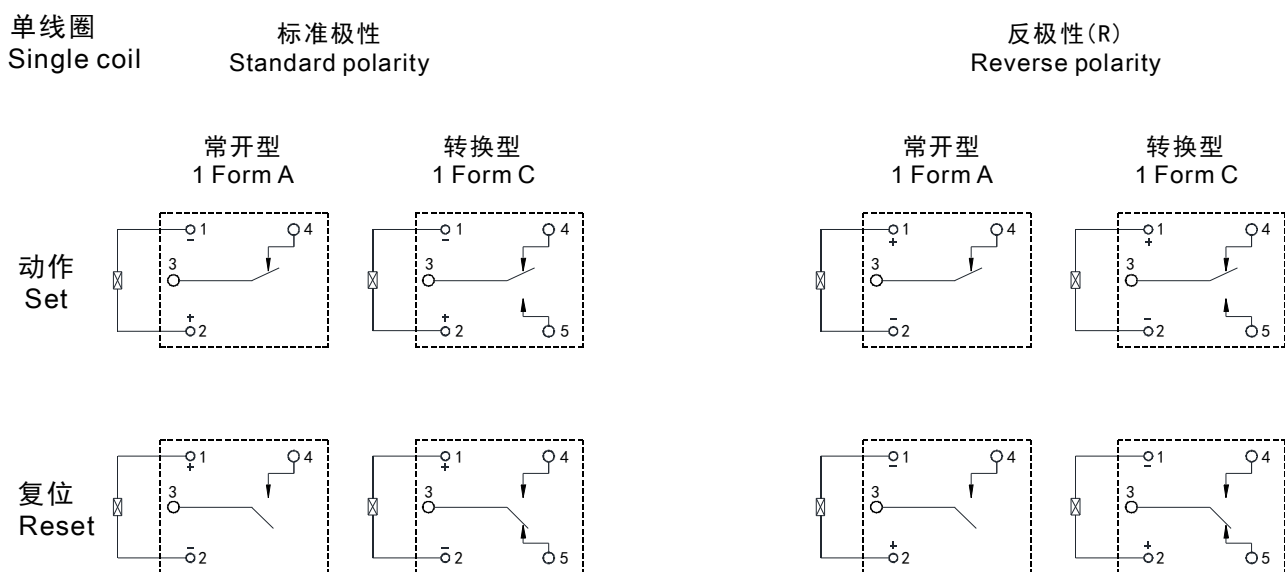
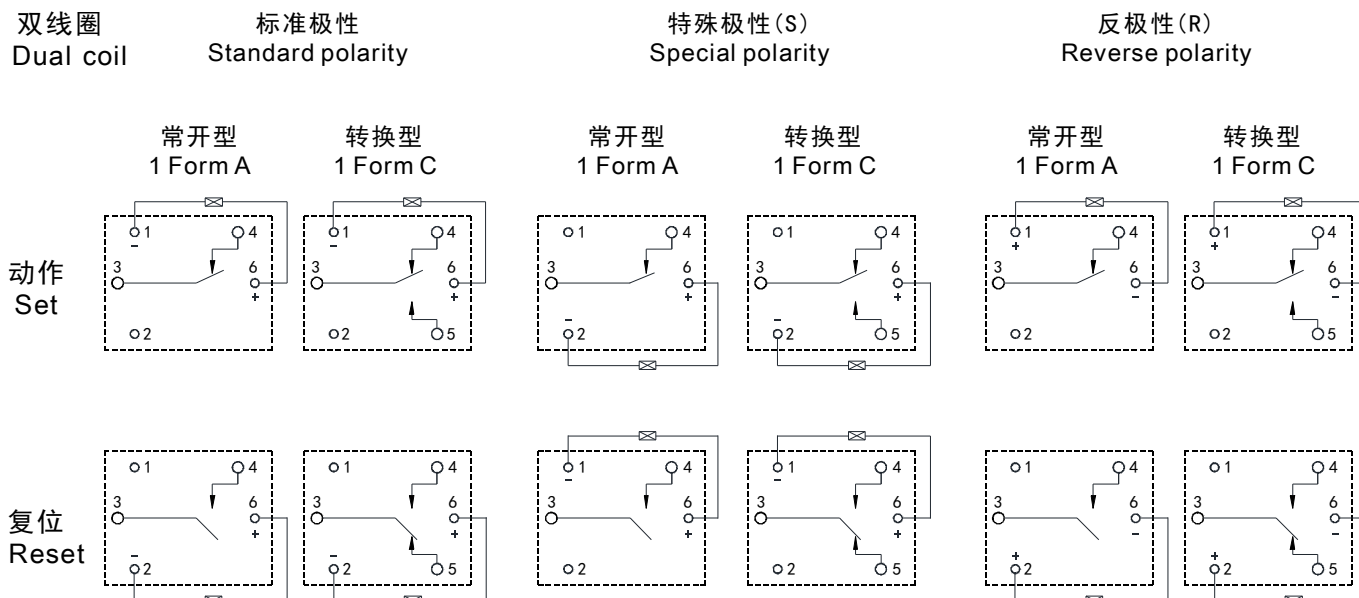


注 Remark:

1.双线圈的标准脚位对应标准极性与反极性,特殊脚位对应特殊极性;  
Standard terminal of dual coil correspond to standard polarity and negative polarity, special terminal correspond to special polarity;

## 外形尺寸、接线图、安装孔位图 (单位: mm) OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

接线图 (底视图)  
Wiring Diagram (Bottom View)



注 Remark :

1. 未标注尺寸公差

Unmarked dimensional tolerance

≤1mm: ±0.2mm ;

(1~5)mm: ±0.3mm ;

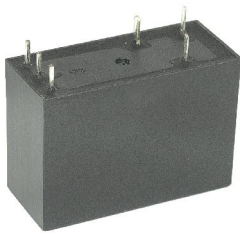
≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.

The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 触点容量: 16A触点切换能力  
Contact switching capability: 16A.
- 超小型低功率磁保持继电器  
Subminiature low power latching relay.
- 标准印制板引出脚 Standard PCB layout terminals.

**触点参数 CONTACT DATA**

型号	Model	YC608E
触点形式	Contact Arrangement	1A、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Set Time ( at nomi.volt. )	10ms Max.
复归时间(额定电压下)	ResetTime ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 12g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	脉冲宽度 Pulse duration ms (Min.)	吸合电压 Operate voltage VDC (Max.)	复位电压 Release voltage VDC (Max.)	额定功率 Rated coil power (W)
5	108.0	47	50ms	额定电压的 75%	额定电压的 75%	约 approx. 0.54 (单线圈 single coil)
6	90.0	68				
9	60.0	150				
12	45.0	270				
18	30.0	600				
24	22.5	1,100				
5	144.0	35	50ms	额定电压的 75%	额定电压的 75%	约 approx. 0.72 (双线圈 dual coil)
6	120.0	50				
9	80.0	112				
12	60.0	200				
18	40.0	450				
24	30.0	820				
48	15.0	3,300				



## 订货标记示例 ORDERING INFORMATION

YC608E	-S	-1	12	L1	M	
				触点形式 Contact form :		无-转换, M-常开 Nil-Form C, M-Form A
				线圈类型 Coil type :		L1-单线圈 Single coil 0.54W L2-双线圈 Dual coil 0.72W
				线圈规格 Coil voltage :		05,06,09,12,15,18,24,36,48 (VDC)
				触点组数 Number of poles :		1-1组 1-1 Group
				封装形式 Protective construction :		S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type
				基本型号 Type designation :		YC608E

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸

Outline Dimensions

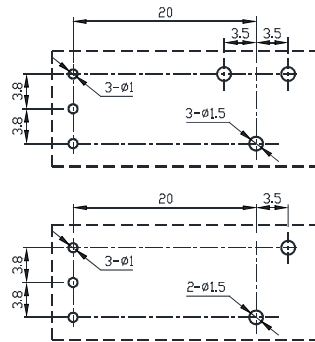
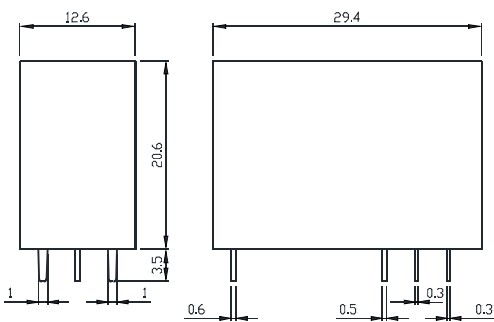
安装孔位图 (底视图)

PCB Layout ( Bottom View )

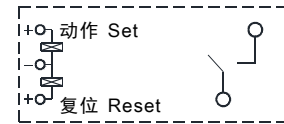
接线图 (底视图)

Wiring Diagram ( Bottom View )

双线圈 Dual coil

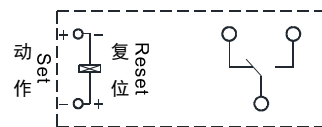
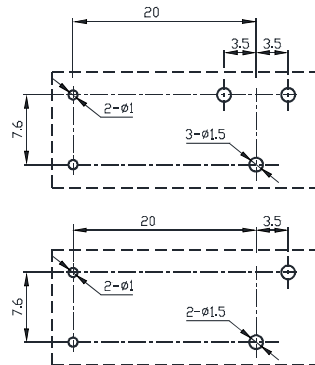
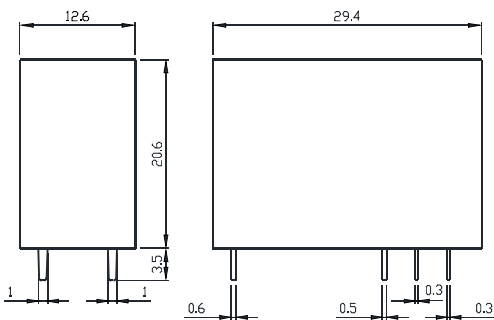


转换型  
1 Form C

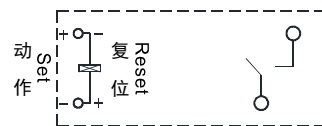


常开型  
1 Form A

单线圈 Single coil



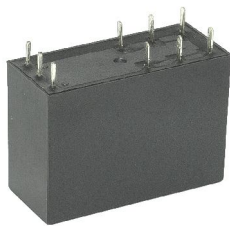
转换型  
1 Form C



常开型  
1 Form A

注 Remark :

- 1.未标注尺寸公差 Unmarked dimensional tolerance  
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
- 2.安装孔尺寸公差: ±0.1mm.  
The tolerance of PCB layout is always: ±0.1mm.
- 3.引出脚尺寸为预焊前尺寸.  
Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 触点容量: 8A触点切换能力  
Contact switching capability: 8A.
- 超小型低功率磁保持继电器  
Subminiature low power latching relay.
- 标准印制板引出脚 Standard PCB layout terminals.

**触点参数 CONTACT DATA**

型号	Model	YC608T
触点形式	Contact Arrangement	2A、2C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	8A 250VAC/30VDC
最大切换电流	Max. Switching Current	8A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	2000VA/240W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Set Time ( at nomi. volt. )	10ms Max.
复归时间(额定电压下)	ResetTime ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 13.5g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	脉冲宽度 Pulse duration ms (Min.)	吸合电压 Operate voltage VDC (Max.)	复位电压 Release voltage VDC (Max.)	额定功率 Rated coil power (W)
5	108.0	47	50ms	额定电压的 75%	额定电压的 75%	约 approx. 0.54 (单线圈 single coil)
6	90.0	68				
9	60.0	150				
12	45.0	270				
18	30.0	600				
24	22.5	1,100				
48	11.3	4,400				
5	144.0	35	50ms	额定电压的 75%	额定电压的 75%	约 approx. 0.72 (双线圈 dual coil)
6	120.0	50				
9	80.0	112				
12	60.0	200				
18	40.0	450				
24	30.0	820				
48	15.0	3,300				

## 订货标记示例 ORDERING INFORMATION

YC608T	-S	-2	12	L1	M	
				触点形式 Contact form :		无-转换, M-常开, Nil-Form C, M-Form A
				线圈类型 Coil type :		L1-单线圈 Single coil 0.54W L2-双线圈 Dual coil 0.72W
				线圈规格 Coil voltage :		05,06,09,12,15,18,24,36,48 (VDC)
				触点组数 Number of poles :		2-2组 2-2 Group
				封装形式 Protective construction :		S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type
				基本型号 Type designation :		YC608T

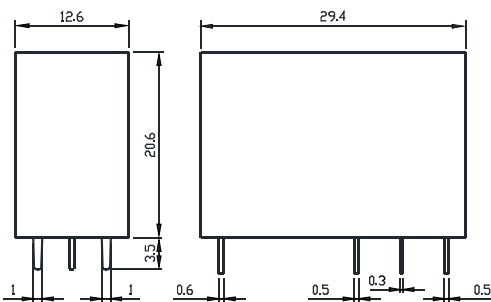
## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

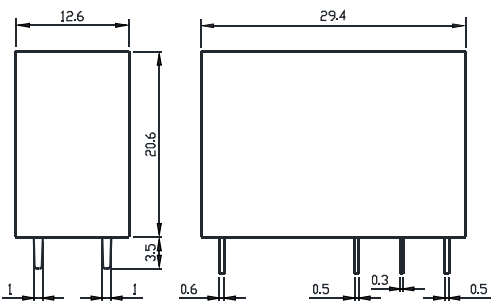
外形尺寸

Outline Dimensions

双线圈 Dual coil

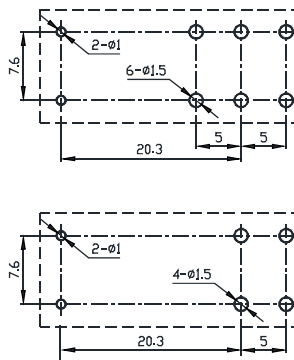
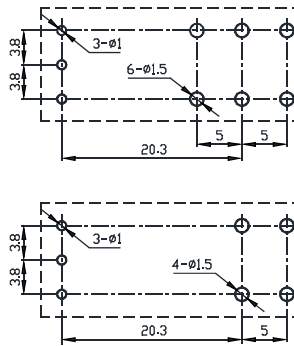


单线圈 Single coil



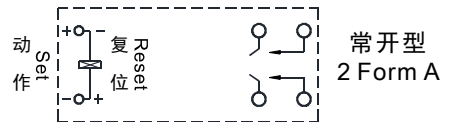
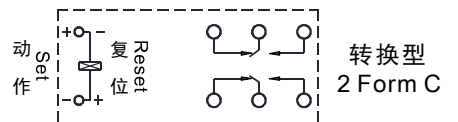
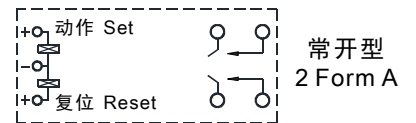
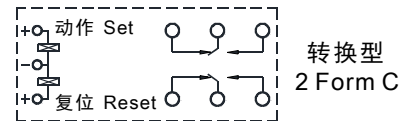
安装孔位图 (底视图)

PCB Layout ( Bottom View )



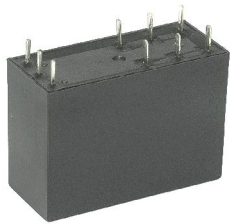
接线图 (底视图)

Wiring Diagram ( Bottom View )



注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.


**特点 Features:**

- 触点容量: 16A触点切换能力  
Contact switching capability: 16A.
- 超小型低功率磁保持继电器  
Subminiature low power latching relay.
- 标准印制板引出脚 Standard PCB layout terminals.

**触点参数 CONTACT DATA**

型号	Model	YC608Z
触点形式	Contact Arrangement	1A、1C
接触电阻	Contact Resistance	100mΩ Max.
触点材料	Contact Material	银合金 Silver Alloy
额定负载(阻性)	Contact Rating ( Res.Load )	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	4000VA/480W
机械寿命	Mechanical endurance	1x10 <sup>7</sup> 次 OPS
电气寿命	Electrical endurance	1x10 <sup>5</sup> 次 OPS

**性能参数 CHARACTERISTICS**

吸合时间(额定电压下)	Set Time ( at nomi.volt. )	10ms Max.
复归时间(额定电压下)	ResetTime ( without diode )	10ms Max.
绝缘电阻	Insulation Resistance	1000MΩ Min.( 500VDC )
介质耐压	Dielectric Strength	触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min.
		触点与线圈间 Between Coil & Contacts: 4,500VAC, 50/60Hz 1 min.
抗振性	Vibration resistance	误动作 Functional: 10~55Hz 双振幅 1.5mm ( DA )
		耐久 Destructive: 10~55Hz 双振幅 1.5mm ( DA )
抗冲击	Shock resistance	误动作 Functional: 10G Min.
		耐久 Destructive: 100G Min.
环境温度	Ambient Temperature	-40°C~+105°C (不冷凝 No condensation)
重量	Unit Weight	约 Approx. 12g

**线圈参数 COIL DATA (at 23°C)**

额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	脉冲宽度 Pulse duration ms (Min.)	吸合电压 Operate voltage VDC (Max.)	复位电压 Release voltage VDC (Max.)	额定功率 Rated coil power (W)
5	108.0	47	50ms	额定电压的 75%	额定电压的 75%	约 approx. 0.54 (单线圈 single coil)
6	90.0	68				
9	60.0	150				
12	45.0	270				
18	30.0	600				
24	22.5	1,100				
48	11.3	4,400	50ms	额定电压的 75%	额定电压的 75%	约 approx. 0.72 (双线圈 dual coil)
5	144.0	35				
6	120.0	50				
9	80.0	112				
12	60.0	200				
18	40.0	450				
24	30.0	820				
48	15.0	3,300				

## 订货标记示例 ORDERING INFORMATION

YC608Z	-S	-1	12	L1	M	
		触点形式 Contact form :		无-转换 ,M-常开 Nil-Form C , M-Form A		
		线圈类型 Coil type :		L1-单线圈 Single coil 0.54W L2-双线圈 Dual coil 0.72W		
		线圈规格 Coil voltage :		05,06,09,12,15,18,24,36,48 (VDC)		
		触点组数 Number of poles :		1-1组 1-1 Group		
		封装形式 Protective construction :		S-塑封式 ,SH-防水式 S-Flux proofed , SH-Sealed type		
		基本型号 Type designation :		YC608Z		

## 外形尺寸、接线图、安装孔位图 (单位: mm)

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

外形尺寸

Outline Dimensions

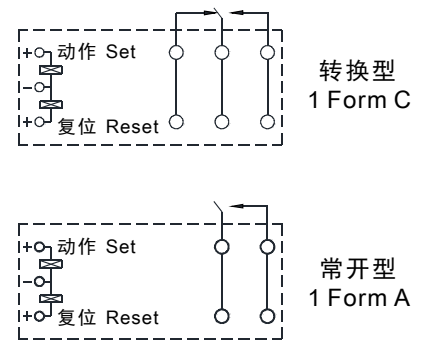
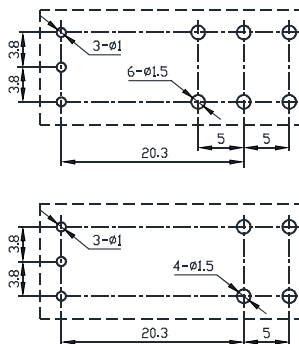
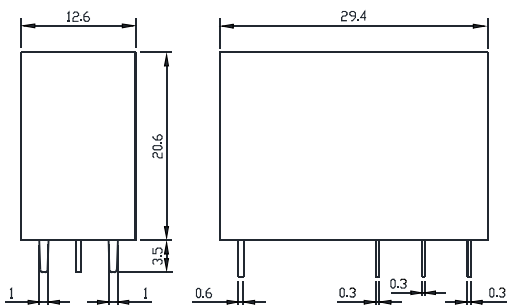
安装孔位图 (底视图)

PCB Layout ( Bottom View )

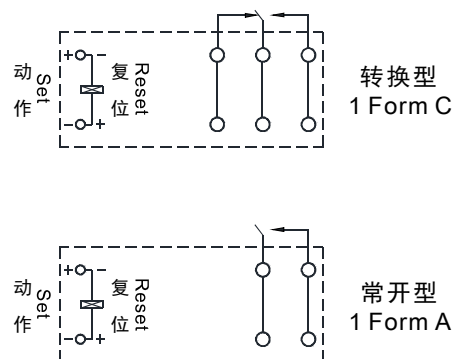
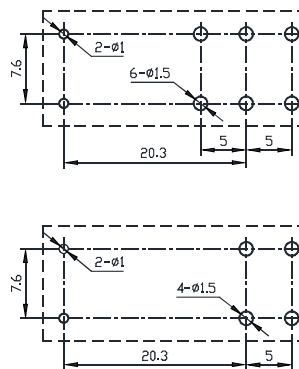
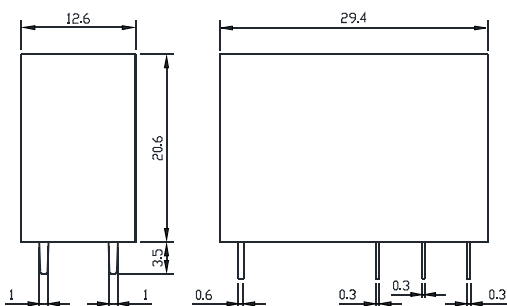
接线图 (底视图)

Wiring Diagram ( Bottom View )

### 双线圈 Dual coil



### 单线圈 Single coil



### 注 Remark :

1. 未标注尺寸公差 Unmarked dimensional tolerance  
 $\leq 1\text{mm}$ :  $\pm 0.2\text{mm}$  ;  $(1\sim 5)\text{mm}$ :  $\pm 0.3\text{mm}$  ;  $\geq 5\text{mm}$ :  $\pm 0.4\text{mm}$ .
2. 安装孔尺寸公差:  $\pm 0.1\text{mm}$ .  
 The tolerance of PCB layout is always:  $\pm 0.1\text{mm}$ .
3. 引出脚尺寸为预焊前尺寸.  
 Extended terminal dimension is dimension before soldering.