

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 ⁷ 次 OPS
电气寿命	Electrical endurance	1x10 ⁵ 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℃~+85℃ (不冷凝 No condensation)
重 量	Unit Weight	约 Approx. 2.1g

线圈参数 COIL DATA (at 23℃)

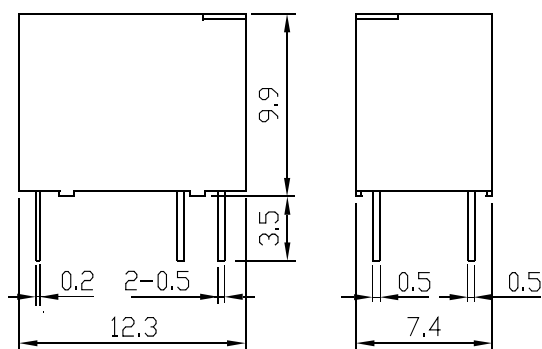
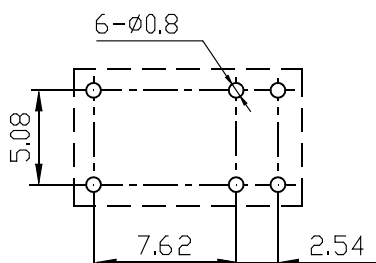
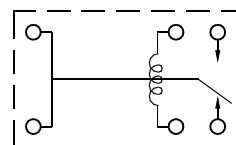
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	50.0	60	额定电压的 of rated voltage 150 %	额定电压的 of rated voltage 75 %	额定电压的 of rated voltage 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)

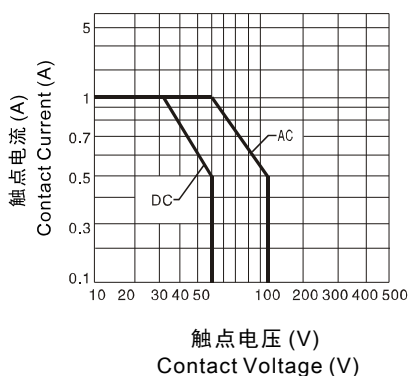
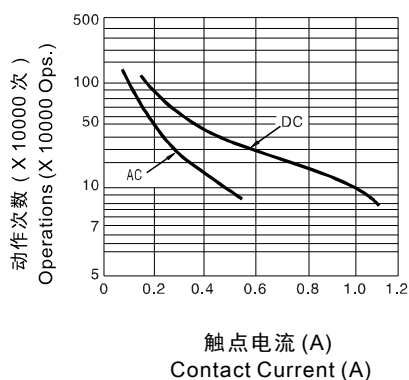
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

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
 $\leq 1\text{mm}$: $\pm 0.2\text{mm}$; $(1\sim 5)\text{mm}$: $\pm 0.3\text{mm}$; $\geq 5\text{mm}$: $\pm 0.4\text{mm}$.
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周围温度最大允许电压
Max Allowable Voltage Of Ambient Temp.