

YL249

特点 PRODUCT FEATURES

- 7A触点切换能力
- 触点与线圈间介质耐压3KV
- 高灵敏度，线圈功耗仅0.12W
- 爬电距离、空气距离大于3.5mm
- 外形尺寸：20.0*5.0*12.5mm

典型应用 TYPICAL APPLICATIONS

- 通讯设备
- 家用电器,如空调,微波炉等
- 安全设备,智能家居
- 办公设备



触点负载 CONTACT DATA

型号	Model	YL249
额定负载(阻性) Rated load		5A 250VAC/30VDC 7A 250VAC/30VDC
最大切换电流 Max.Switching Current		5A/7A
最大切换电压 Max.Switching Voltage		250VAC 30VDC
最大切换功率 Max.Switching Power		1750VA 210W

性能参数 GENERAL DATA

触点材料	Contact material	Silver Alloy	
接触电阻	Contact resistance	100mΩ Max.	
吸合时间	Operate Time	10msec. Max.	
释放时间	Release time	5msec. Max.	
绝缘电阻	Insulation resistance	1000MΩ Min.(DC500V)	
介质耐压	Dielectric strength	触点与触点间 Between open contacts	1000VAC 50/60Hz 1min
		触点与线圈间 Between coil & contacts	3000VAC 50/60Hz 1min
抗振动	Humidity	稳定性 Functional	10 ~ 55Hz，双振幅 1.5 mm
		强度 Destructive	10 ~ 55Hz，双振幅 1.5 mm
抗冲击	Shock Resistance	稳定性 Functional	10G Min.
		强度 Destructive	100G Min.
寿命	Life	机械寿命 Mechanical Life	10,000,000 次 (10,800次/小时)
		电气寿命 Electrical Life	100,000 次(600次/小时)
环境温度	Temperature Range	-40℃~+85℃	
湿度	Humidity	5%~85% RH	
重量	Weight	约3.0g	
引出端形式	Terminal form	印刷线路板式 Printed Circuit Board Type	

YL249

线圈参数 (at 20°C) COIL DATE

额定电压 Nominal Voltage (VDC)	线圈阻值 Coil Resistance at 20°C ±10%(Ω)		最大吸合电压 Max. Operate Voltage (VDC)	最小释放电压 Min. Release Voltage (VDC)	最大过载电压 Max. Applicable Voltage (VDC)
	0.12W	0.18W			
5	208		3.75	0.5	6.5
6	300		4.5	0.6	7.8
9	675		6.75	0.9	11.7
12	1200		9.0	1.2	15.6
18	2700		13.5	1.8	23.4
24	4800	3200	18.0	2.4	31.2

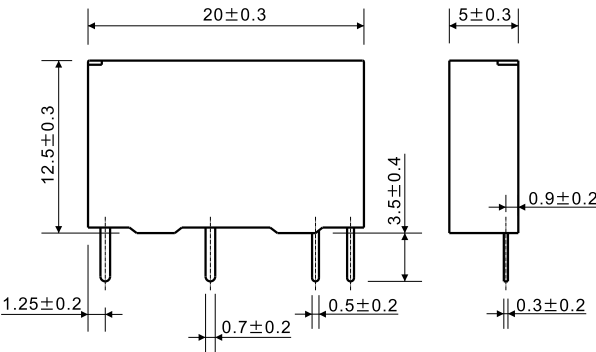
订货标记 ORDERING INFORMATION

YL249 -A -S -12VDC -D -1 -T -XX

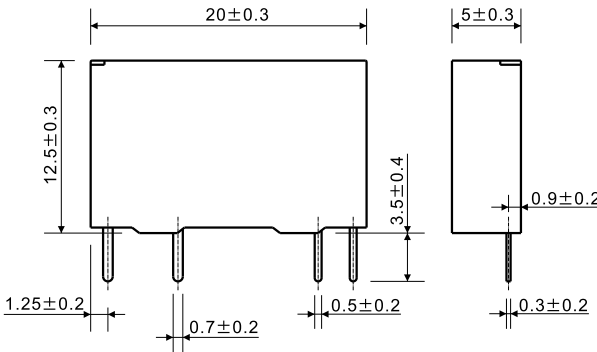
产品系列 Product series	YL249
触点型式 Contact Type	A—一组常开 A-NORMAL OPEN (SPST NO)
密封型式 Seal Type	S-塑封型（全密封）；无-防助焊剂型（不封气孔） S- Seal type (full seal), F-Flux-proof type (without sealing vent)
线圈电压 Coil Voltage	5VDC/6VDC/9VDC/12VDC/18VDC/24VDC
线圈功耗 Coil Power Consumption	无-0.12W D-0.18W NONE-0.12W D-0.18W
脚位间距 Pin Pitch	1-7.62mm 2-5.08mm 1-7.62mm 2-5.08mm
触点负载 Contact Load	无-5A T-7A NONE-5A T-7A
特殊参数或特殊要求，客户识别号 Special parameters or special requirements, customer identification number	

外形图、接线图、安装孔位图 OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

1型

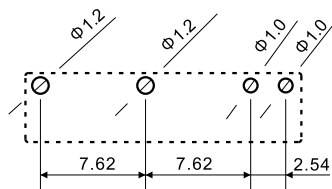


2型

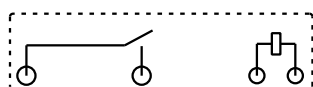


YL249

1型

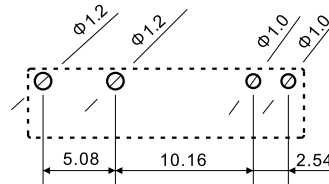


安装孔尺寸 (底视图)
Mounting hole size (bottom view)



接线图 (底视图)
Wiring diagram (bottom view)

2型



安装孔尺寸 (底视图)
Mounting hole size (bottom view)

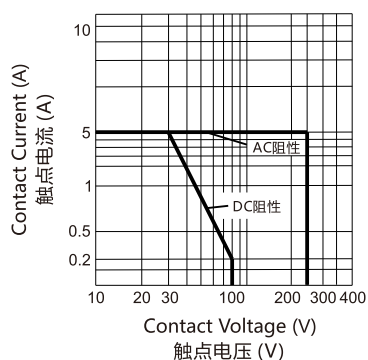
未标注尺寸公差 / Undimensioned tolerance: <1mm:±0.2mm 1~5mm:±0.3mm >5mm:±0.4mm

注: 1、引出脚尺寸为预焊前尺寸 2、安装孔尺寸公差: ±0.1mm

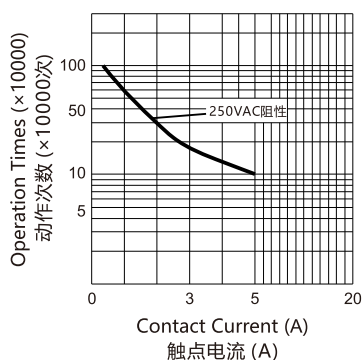
Note: 1.The size of the lead foot is pre welding dimension. 2. installation hole size tolerance:±0.1mm

性能曲线图 CHARACTERISTIC CURVES

最大切换功率
Maximum Switching Power

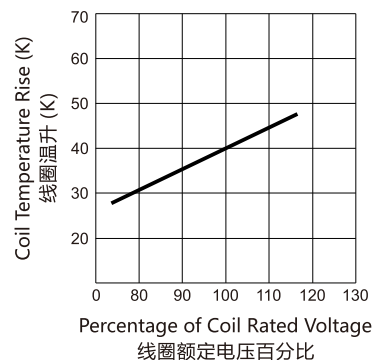


电气寿命
Electrical Life



测试条件: 阻性负载,
250VAC 1s通 9s断

线圈温升
Coil Temperature Rise



测试条件: 85°C, 5A
安装距离: 10mm