

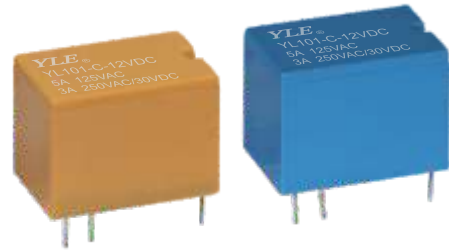
YL101

特点 PRODUCT FEATURES

- 低线圈功耗，高灵敏度
- 体积小、重量轻
- PC板安装

典型应用 TYPICAL APPLICATIONS

- 自动化设备、通讯设备
- 家用电器
- 适合无线电遥控玩具等，合理的控制应用元件



触点负载 CONTACT DATA

| | | |
|----------|-----------------------|------------------------------|
| 型号 | Model | YL101 |
| 额定负载(阻性) | Rated load | 5A/125VAC;3A/30VDC;3A/250VAC |
| 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 | 750VA 90W |

性能参数 GENERAL DATA

| | | | | |
|------|-----------------------|--------------------|-------------------------|---------------------------|
| 触点材料 | Contact material | Silver Alloy | | |
| 接触电阻 | Contact resistance | 50mΩ Max. | | |
| 吸合时间 | Operate Time | 8msec. Max. | | |
| 释放时间 | Release time | 5msec. Max. | | |
| 绝缘电阻 | Insulation resistance | 100MΩ Min.(DC500V) | | |
| 介质耐压 | Dielectric strength | 触点与触点间 | Between open contacts | 500VAC 50/60Hz 1min |
| | | 触点与线圈间 | Between coil & contacts | 750VAC 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°C~+85°C | | |
| 重量 | Weight | 约3.5g | | |

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线圈参数 (at 20°C) COIL DATA

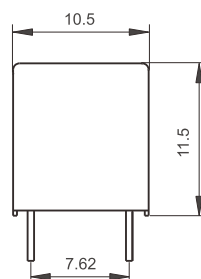
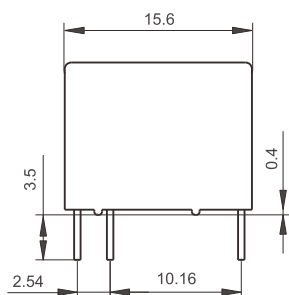
| 额定电压 Nominal Voltage (VDC) | 线圈阻值 Coil Resistance at 20°C ±10%(Ω) | | | 最大吸合电压 Max. Operate Voltage (VDC) | 最小释放电压 Min. Release Voltage (VDC) | 最大过载电压 Max. Applicable Voltage (VDC) |
|----------------------------------|---|-------|-------|---|---|--|
| | 0.2W | 0.36W | 0.45W | | | |
| 3 | 45 | 25 | 20 | 2.3 | 0.15 | 3.9 |
| 5 | 125 | 70 | 55 | 3.8 | 0.25 | 6.5 |
| 6 | 180 | 100 | 80 | 4.5 | 0.3 | 7.8 |
| 9 | 405 | 223 | 180 | 6.8 | 0.45 | 11.7 |
| 12 | 720 | 400 | 320 | 9.0 | 0.6 | 15.6 |
| 24 | 2880 | 1600 | 1280 | 18.0 | 1.2 | 31.2 |

订货标记 ORDERING INFORMATION

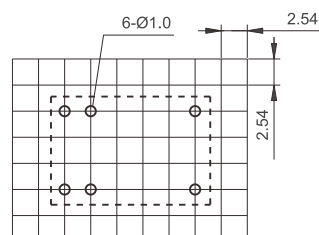
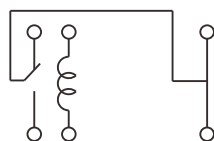
YL101 -C -12VDC -H -XX

| | |
|---|--|
| 产品型号 Type | YL101 |
| 触点转换形式 Contact Form | C:1FormC A:1FormA C:1FormC A:1FormA |
| 线圈电压 Coil Voltage | 3V、5V、6V、12V、24V 3V、5V、6V、12V、24V |
| 线圈功耗 Coil Power | 无:0.2W D:0.36W H:0.45W NIL:0.2W D:0.36W H:0.45W |
| 特殊参数或特殊要求 Special Parameters Or Special Requirements | |

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



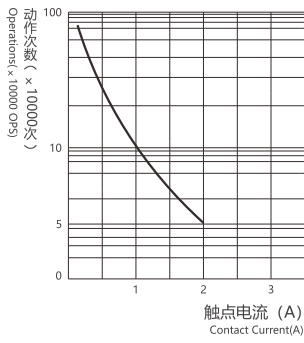
Dimension(mm)
公差 Tolerance:±0.2



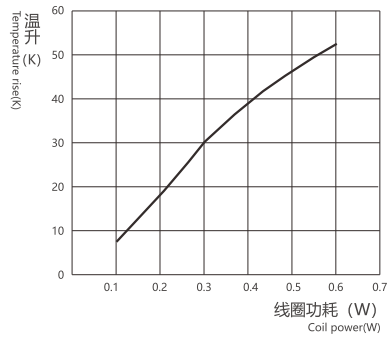
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性能曲线图 CHARACTERISTIC CURVES

电耐久性曲线
ENDURANCE CURVE



线圈温升
COIL TEMPERATURE RISE



动作时间
OPERATE TIME

