

铝壳电阻器

Aluminum Enclosure Resistor

GB/T5729-1994 电子设备用固定电阻器
GB/T5729-1994 Fixed resistor used in electronic equipment

产品简述 (Product Profile)

RXLG系列电阻器其耐气候性，耐振动，安全性，优于传统瓷骨架电阻器。广泛应用于电源，变频器，伺服系统等高要求的电气回路中，并能够用于恶劣的工控环境。易紧密安装，易附加散热器。外型美观，是电力电子理想的配套产品。

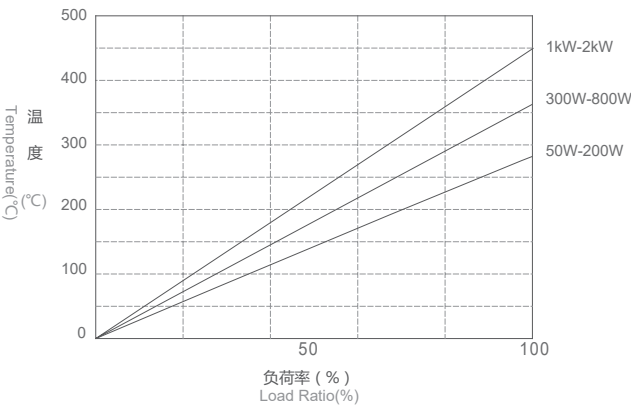
RXLG series resistor is superior to conventional ceramic-skeleton resistor in terms of weatherproof, oscillation-resistant and safety, and is widely applied to electrical circuits that has high adaptability to bad ambient, such as power supply, inverter and servo system, and has high adaptability to bad ambient operating conditions. It can be easily fitted in an airtight manner and additional heat radiator can be fixed to it in an easy way. With elegant appearance, it is an ideal component that is perfectly compatible with power and electronic.



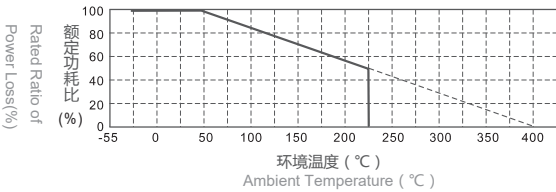
产品特点 (Product Features)

- 1. 额定功率范围：60W~2000W
 - 2. 工作电压范围：<1.2kV
 - 3. 额定阻值范围：1R~10kR
 - 4. 耐压范围：AC3KV 50Hz/5s
 - 5. IP等级：IP00/IP33
 - 6. 振动：1.5g
 - 7. 温漂范围：≤400ppm/°C
 - 8. 载流体材料：0Cr25AL5
 - 9. 优势：较恶劣工作环境
 - 10. 劣势：工作电压不是很高
- 1. Power Range: 60W~2000W
 - 2. Voltage Range: <1.2kV
 - 3. Resistance Range: 1R~10kR
 - 4. Dielectric Strength: AC3KV 50Hz/5s
 - 5. IP Protection: IP00/IP33
 - 6. Vibration: 1.5g
 - 7. Temperature Coefficient: ≤400ppm/°C
 - 8. Element Material: 0Cr25AL5
 - 9. Advantage: for Cruel environment
 - 10. Disadvantage: low operating voltage

表面温升 (Surface Temperature Rise)



降额曲线 (Derating Curve)



产品尺寸图 (Product Size)

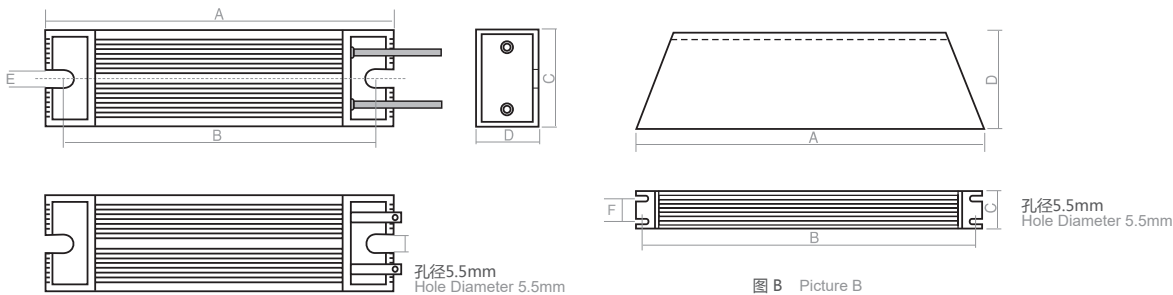


图 A Picture A

图 B Picture B

铝壳电阻器
Aluminum Enclosure Resistor

产品尺寸表 (Product Size)

| 规格 Type | 功率 Rated Power(W) | 外型图 Product Picture | 尺寸 Dimension(mm) | | | | | | | 配线 Connecting Wire(mm) | 引线长度 Lead length (mm) | 接线端子 Terminal | 重量 Weight(Kg) | 阻值范围 Resistance Range(Ω) | 出线方式 Connection |
|------------|----------------------|------------------------|------------------|-----|----|-----|-----|------|-----|---------------------------|--------------------------|------------------|------------------|-----------------------------|--------------------|
| | | | A | B | C | D | E | F | G | | | | | | |
| RXLG | 60 | 图 A Picture A | 115 | 98 | 40 | 20 | 5.5 | | | 1.5 | 500 | 2-5S | 0.165 | 1Ω-10KΩ | 引线 Cable |
| RXLG | 80 | | 140 | 123 | 40 | 20 | 5.5 | | | 1.5 | 500 | 2-5S | 0.2 | 1Ω-10KΩ | |
| RXLG | 100 | | 165 | 148 | 40 | 20 | 5.5 | | | 1.5 | 500 | 2-5S | 0.24 | 1Ω-10KΩ | |
| RXLG | 120 | | 190 | 173 | 40 | 20 | 5.5 | | | 1.5 | 500 | 2-5S | 0.28 | 1Ω-10KΩ | |
| RXLG | 150 | | 215 | 198 | 40 | 20 | 5.5 | | | 1.5 | 500 | 2-5S | 0.32 | 1Ω-10KΩ | |
| RXLG | 200 | | 165 | 147 | 60 | 30 | 5.5 | | | 1.5 | 500 | 2-5S | 0.464 | 1Ω-10KΩ | |
| RXLG | 300 | | 215 | 198 | 60 | 30 | 5.5 | | | 1.5 | 500 | 2-5S | 0.62 | 1Ω-10KΩ | |
| RXLG | 400 | | 265 | 247 | 60 | 30 | 5.5 | | | 1.5 | 500 | 2-5S | 0.8 | 1Ω-10KΩ | |
| RXLG | 500 | 图 B Picture B | 335 | 317 | 60 | 30 | 5.5 | | | 1.5 | 500 | 2-5S | 1.03 | 1Ω-10KΩ | 端子 Terminal |
| RXLG | 800 | | 400 | 382 | 61 | 59 | | 40.5 | 5.5 | | | M6 | 2.2 | 1Ω-10KΩ | |
| RXLG | 1000 | | 400 | 384 | 50 | 107 | | 30 | 5.5 | | | M6 | 3.6 | 5Ω-10KΩ | |
| RXLG | 1200 | | 450 | 434 | 50 | 107 | | 30 | 5.5 | | | M6 | 4 | 5Ω-10KΩ | |
| RXLG | 1500 | | 485 | 469 | 50 | 107 | | 30 | 5.5 | | | M6 | 4.35 | 5Ω-10KΩ | |
| RXLG | 2000 | | 550 | 534 | 50 | 107 | | 30 | 5.5 | | | M6 | 4.9 | 5Ω-10KΩ | |

ROHS规格品需在定单中描述 (其他技术参数要求, 请垂询我司业务)
ROHS request should be noted in order(For other technical parameters & requirments, please conctact with our company's business).

电气、机械特性 (Mechanical And Electrical Properties)

| 特性 Property | 检查方法 Inspection method | 性能要求 Requirement | 试验标准 Test method |
|--------------------------------|---|--|---------------------|
| 稳态湿热 Constant Damp-heat | 40℃ 相对湿度(度90-95)% 96h Temperature 40℃,RH(90-95)% 96h | $R \leq \pm(5\% \pm 0.05\Omega)$ | GB5729.2.24 |
| 温度快速变化 Temperature change | -55℃ +55℃ 3次循环 -55℃ to +55℃,3 Circes | $R \leq \pm(2\% \pm 0.05\Omega)$ | GB5729.4.19 |
| 短时过负荷 Transient Overload | 10倍Pr 5S 10 Time Pr 5s | 无可见损伤 $R \leq \pm(1\% \pm 0.05\Omega)$ | GB5729.4.13 |
| 绝缘电阻 Insulated Resistance | DC 1000V | $R \geq 100M\Omega$ | GB5729.4.6 |
| 耐电压 Voltage Resistibility | AC3000V 50Hz 5s | 无击穿或飞弧 Free of breakage or flying arc | GB5729.4.7 |
| 负荷寿命 Life | 25℃ Ur 1000h | $R \leq 20\%$ | |
| 端子强度 Terminal Strength | 45N 30S | 无可见损伤 Free of visible destruction | GB5729.4.16 |
| 耐振性 Vibration Resistibility | f:5-200HZ a=1g X.Y.Z各2h | 无可见损伤 $R \leq \pm(1\%R + 0.05\Omega)$ Free of visible destruction | GB5729.4.22 |

成品识别码 (Product Identification Code)

| | | | | |
|----------------------|--|---|--|--|
| RXLG | 2K00 | 0032 | 9999G | J |
| 产品类别 Product Type | 功率 Rated Power 50W-2000W 0020-20W 2K00-2KW | 电阻阻值Resistance Value(ohm) (Ω)indicates resistance value in units of ohms 0R08-0.08Ω/ 0032-32Ω/8K00-8KΩ | 接线 Connection G=端子 Terminal H=引线 Lead | 电阻阻值误差 Resistance Tolerance H=±3% K=±10% J=±5% |

RXLG.2K00.0032.9999G(“9999G”表示常规品,此款产品为常规器2kW/32 R 铝壳电阻器)
RXLG.2K00.0032.6218 A(“6218 A”表示客户代码,此款产品为客户定制的2kW/32 R 铝壳电阻器)