



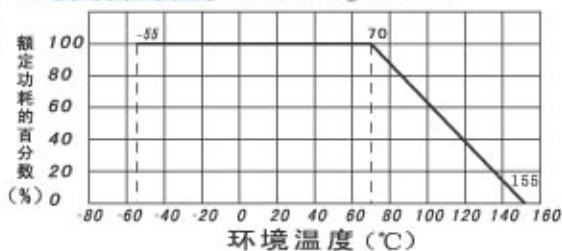
- 稳定度等级2% Stability reaches 2%
- 产品阻值范围宽，精度高 Wide resistance range & high accuracy
- 防潮、阻燃性佳 Moisture proof & flame retardant

RI81高阻高压玻璃釉电阻器
RI81High voltage.high resistance ceramic film resistor

★ **适用标准 Standard**

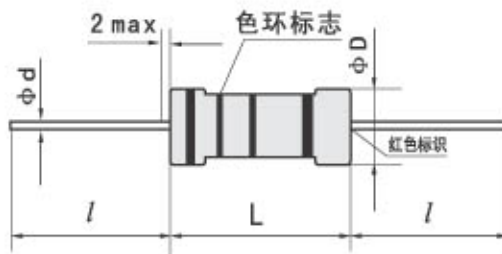
- ▲ GB/T5729-2003(IEC115-1) 电子设备用固定电阻器，第一部分：总规范
GB/T 5729-2003(IEC115-1) Fixed resistor used in electronic equipment part1: Generic specification
- ▲ Q/RU270-2002(企业标准) RI81型高阻高压玻璃釉膜电阻器详细规范 评定水平E
Q/RU270-2002(business standard)RI81 ceramic film resistor specification Assess the level E

★ **降功耗曲线 Derating curve**



★ **外形尺寸 Dimension (mm)**

型号 Type	阻体尺寸 Resistor dimension max		引线尺寸 Terminal dimension	
	ΦD	L	Φd±0.05	l±1
RI81-0.5	3.8±0.5	9.6±0.9	0.7	28
RI81-1	4.6±0.9	12.9±1.1	0.8	28



注：精度环±5%产品用黄色环标识，±10%产品用灰色环标识。

★ **主要技术指标 Main specification**

型号 Type	70℃下额定功耗 Rated power consumption at 70℃ (W)	阻值范围 Resistance range (MΩ)	电阻系列 Resistance series	阻值允许偏差 Resistance tolerance ± (%)	电阻温度系数 TCR ±(×10 ⁻⁶ /℃)	元件极限电压 Limit voltage (KV)
RI81	0.5	100K~68M	E24	2(G)、5(J)	250	1
	1	100K~68M		10(K)		7

★ **主要检验项目、检验方法及性能要求 Main inspection items, methods & requirements**

检验项目Items	性能要求Requirements	检验方法Methods
电阻温度系数TCR (×10 ⁶ /℃)	±250	-55℃~+155℃
室温耐久性 room temperature	± (2%R+0.1 Ω)	U ₀ (或 or U _{max}) 1000h
耐电压Withstand voltage	无击穿或飞弧 No breakage or flashover	V形块法, 施加交流电压其峰值为绝缘电压值的1.42倍, t=1分钟 V-black Method 1.42times insulation voltage, 1min
可焊性Solder ability	焊料润湿引出端并能自由流动说明可焊性良好 Good tinning	235±5℃ 2±0.5S
过载Over-load	± (0.5%R+0.05 Ω)	施加 2.5 U ₀ (或 2U _{max}) 持续时间 5S 2.5U ₀ (或 2U _{max})adopt lower 5s
引出端强度Terminal strength	± (0.5%R+0.05 Ω)	拉力, 0.5W 10N, 1W 22.2N; 弯曲, 2次 扭转, 180° 2次 Tensile: 0.5W 10N; 1W 22.2N; bending 2time, each direction time torsion 180°, 2time
耐焊接热Resistance to soldering heat	± (0.5%R+0.05 Ω)	槽温, 350±10℃ 浸入时间, 3.5±0.5S 距元件主体, 2+ ^{0.5} / ₀ mm Welding temperature 350±10℃ body away, 2+ ^{0.5} / ₀ mm
温度快速变化Fast temperature change	± (0.5%R+0.05 Ω)	-55℃/+125℃ 5次循环 cycle 5time
振动Vibration	± (0.5%R+0.05 Ω)	频率, 10HZ~500HZ 振幅, 0.75mm 或 98m/S ² (取较小者) 总持续时间, 6h 10Hz~500Hz 0.75mm(or 98m/s ²) 6h
气候顺序Climate category	± (2%R+0.1 Ω)	干热 一循环 湿热(第一个循环) 一寒冷 一气压 一循环 湿热(其余的循环) 一直流负荷 Dry heat, damp heat first cycle, cold, ...
稳态湿热Steady damp-heat	± (2%R+0.1 Ω)	T=40±2℃ 相对湿度(90~95)% 56天 T=40±2℃ humidity: (90~95)% 56day
上限类别温度耐久性Endurance at upper category temperature	± (2%R+0.1 Ω)	U=0 155℃ 240h
阻燃性 Flame retardant	燃烧时间小于10S Flaming time<10S	火焰法 15S 5次 Flaming 15S 5time
电涌实验 Surge test	±20%	0.5W: 1MΩ~68MΩ, 1W: 100KΩ~68MΩ U=10KV, 脉冲周期: 5秒, 脉冲次数: 50次 U=10KV, Period of pulse 5S 50time

对于本页内容的任何变更，恕不另行通知。订货前，请确认技术参数。
Specification are subject to change without notice.