

- 负荷电压高、阻值高、抗冲击能力强
High rated voltage, high resistance, and strong anti-shocking ability
- 适用于电子通讯、家用电器等领域
Be applicable for electronic communication, and household appliances etc

RI81(RI81A) 型高压玻璃釉膜电阻器
RI81 (RI81A) High voltage, cermet resistor

■ 适用标准 Applicable specifications

- GB/T5729-2003 电子设备用固定电阻器 第一部份: 总规范
- Q/RU270-2012 RI81(RI81A)型高阻高压玻璃釉膜电阻器详细规范 评定水平 E

■ 外形尺寸 Dimensions in millimeters

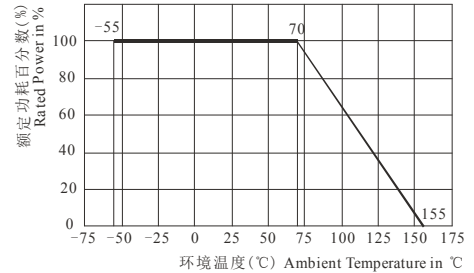
型号 Type	额定功率 P _R (W)	阻体尺寸(mm) Resistance Element dimension		引线尺寸(mm) Terminal dimension	
		φD	L	φd±0.05	l±2
RI81 (RI81A)	0.25	2.5±0.4	6.6±0.6	0.6	26
	0.5	3.8±0.5	9.6±0.9	0.7	28
RI81	1	4.4±0.6	12.9±1.1	0.8	26
	2	6.0±0.7	16.0±1.2		32
	3	8.5±0.8	25.0±1.4		

注: RI81 产品表面涂覆阻燃漆, RI81A 产品表面涂覆环氧树脂漆。

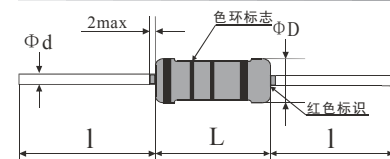
■ 主要技术指标 Technical and standard electrical specifications

型号 Type	额定功率 P _R (W)	阻值范围 Resistance Range (Ω)	阻值系列 Resistance Series	阻值允许偏差 Tolerance (%)	电阻温度系数 TCR (×10 ⁻⁶ /°C)	元件极限电压 (直流或交流有效值) Limiting Element Voltage (DC or AC effective value) (V)	耐电压 (交流有效值) V _{AC} (AC effective value) (V)
RI81 (RI81A)	0.25	100K~200M	E24	100K~100MΩ: ±1%, ±2%, ±5%	≤±250	2000	500
	0.5	100K~360M		101MΩ~360MΩ: ±2%, ±5%		4000	700
RI81	1	100K~500M		>360MΩ: ±5%		8000	1000
	2						
	3						

■ 降功耗曲线 Derating



■ 外形尺寸图 Dimensions



■ 主要检验项目、检验方法及性能要求 Performance

检验项目 Test	检验方法 Conditions of test	性能要求 Test Limits
耐电压 Insulation voltage	V 形块法, 上表中的耐电压值, 1 分钟 V-block Method, voltage follow the upper table, 1min	无击穿或飞弧 No breakdown or flashover
可焊性 Solderability	265±5°C, 2±0.5s	浸锡面≥95% ≥95% of the dipped surface covered
过载 Over-load	2.5 U _R 或 2U _{max} (取较小者 whichever smaller), 5s	ΔR≤±(0.5%R+0.05Ω)
引出端强度 Terminal Strength	拉力 Pull: 10N(0.25W~0.5W), 20N(其它 others), 弯曲 Bend: 2times 扭转 Twist: 180°, 2times	
耐焊接热 Resistance to Soldering Heat	350±10°C, 3.5±0.5s	
温度快速变化 Rapid Change of Temperature	-55~+155°C, 5 cycles	
振动 Vibration	10Hz~500Hz, 0.75mm 或 10g(取较小者 whichever smaller), 6h	
电气耐久性 Electrical Endurance	U _R 或 U _{max} (取较小者 whichever smaller), 1000h	ΔR≤±(2%R+0.1Ω)
气候顺序 Climate Sequence	GB/T5729-2003, 4.23 条 item	
稳态湿热 Damp heat, steady state	40±2°C, RH: (90~95)%, 56 days	
上限类别温度耐久性 Endurance at Upper Grade Temperature	U=0, 155°C, 1000h	
阻燃性 Fire Hazard	火焰法 Duration of the flame 15s, 5times	离开火焰燃烧时间小于 10 秒 When the flame is removed, allowable time for burning of visible flame on specimen is less than 10s
电涌试验 Surge Test	0.25W: R>10M, U=5KV, 周期(Period): 5s, 50 times 0.5W: R>1M, U=10KV, 周期(Period): 5s, 50 times 1W~3W: R>100K, U=10KV, 周期(Period): 5s, 50 times	ΔR≤±20%R

■ 订货指南 Ordering information

RI81(81A) - 2W - 1MΩ - J

型号 Type - 额定功率 Rated Power - 标称阻值 Nominal Resistance - 允许偏差 Tolerance

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。Specifications are subject to change without notice.