

- 耐电压高、抗冲击能力强
High withstand voltage, 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

RI41 型高阻玻璃釉膜电阻器
RI41 High ohmic, cermet resistor

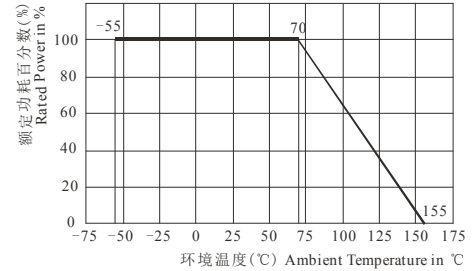
■ 适用标准 Applicable specifications

- GB/T5729-2003 电子设备用固定电阻器 第一部份：总规范
- Q/RU277-2004 RI41 型玻璃釉膜电阻器详细规范

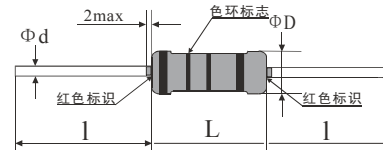
■ 外形尺寸 Dimensions in millimeters

型号 Type	阻体尺寸(mm) Resistance Element dimension		引线尺寸(mm) Terminal dimension	
	ΦD	L	Φd±0.05	l±2
RI41-0.5W	2.5±0.4	6.4±0.6	0.6	26
RI41-1W	3.8±0.5	9.6±0.9	0.7	28
RI41-2W	4.4±0.6	12.9±1.1	0.8	26
RI41-3W	5.9±0.6	15.9±1.1		32
RI41-5W	8.4±0.6	24.7±0.8		

■ 降功耗曲线 Derating



■ 外形尺寸图 Dimensions



■ 主要技术指标 Technical and standard electrical specifications

型号 Type	额定功率 Rated Power Pr (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) Limit Element Voltage (DC or AC effective value) (V)	耐电压 (交流有效值) V _{AC} (AC effective value) (V)
RI41	0.5	220~100M	E24	±(2、5、10)	≤±350	1000	500
	1					1500	
	2					2000	700
	3					2500	
	5					3000	

■ 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
电气耐久性 Electrical Endurance	U _R 或 U _{max} (取较小者 whichever smaller), 240h	ΔR ≤ ±(2%R + 0.1Ω)
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 ≤ ±(1%R + 0.1Ω)
引出端强度 Terminal Strength	拉力 Pull: 10N, 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	ΔR ≤ ±(5%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)%, 240h	
上限类别温度耐久性 Endurance at Upper Grade Temperature	U=0, 155°C, 1000h	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
阻燃性 Fire Hazard	火焰法 Duration of the flame 15s, 5times	
电涌试验 Surge Test	U=10KV(RI41-0.5W~1W<1MΩ, 5KV), 周期 Period: 5s, 50 cycles	ΔR ≤ ±50%R

■ 订货指南 Ordering Information

RI41-2W-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.