

- 阻值范围宽、高频特性好、抗冲击能力强
Wide resistance range, excellent high frequency characteristics, strong anti-shocking ability
- 适用于汽车、摩托车点火电阻、高频、脉冲电路
Be applicable for igniting in automobile and motorcycle, high frequency, pulse circuit

RI10、RI10S 型玻璃釉膜电阻器 (高压)
RI10、RI10S Cermet resistor(high voltage)

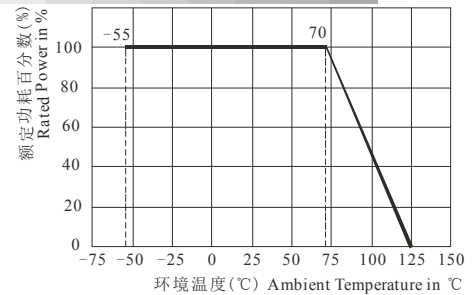
■ **适用标准 Applicable specifications**

- GB/T5729-2003 电子设备用固定电阻器 第一部份：总规范
- Q/RU278-2006 RI10 型玻璃釉膜电阻器详细规范

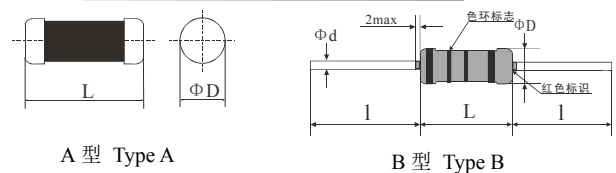
■ **外形尺寸 Dimensions in millimeters**

型号 Type	外形 Shape	阻体尺寸(mm) Resistance Element dimension		引线尺寸(mm) Terminal dimension	
		ΦD±0.5	L±1	Φd±0.05	l±3
RI10-0.25W	A	2.1	5.6	/	/
RI10-0.5W		3.0	8.5		
RI10-1W		3.5	11.5		
RI10-2W	B	4.0	12.5	0.8	27
	A	5.0	14.5	/	/
RI10-5W	B	5.5	15.5	0.8	27
	A	7.5	23.5	/	/
RI10S-1W	A	3.0	8.5	/	/
		RI10S-2W	3.5		
RI10S-3W		5.0	14.5		

■ **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)	脉冲电压 Surge voltage (KV)
RI10	0.25	470~33K	E 24	± (10, 20)	≤±500	250	500(B 型 Type B) 700(B 型 Type B)	2
	0.5					350		5
	1					500		8
	2					500		10
RI10S	1	470~33K	E 24	± (10, 20)	≤±500	350	/	5
	2	470~56K						8
	3	470~56K						8

■ **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 Dielectric withstand 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≤±(2%R+0.1Ω)
温度快速变化 Rapid Change of Temperature	-55°C~+125°C,5 cycles	
引出端强度 Terminal Strength	拉力 Pull:20N(B 型),弯曲 Bend:2times,扭转 Twist:180°,2times	ΔR≤±(1%R+0.1Ω)
耐焊接热 Resistance to Soldering Heat	350±10°C,3.5±0.5s	
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	
电气耐久性 Electrical Endurance	U _R 或 U _{max} (取较小者 whichever smaller),96h	
上限类别温度耐久性 Endurance at Upper Grade Temperature	U=0, 125°C, 96h	
稳态湿热 Damp heat, steady state	40±2°C, RH:(90~95)%, 96h	A 型(Type A):ΔR≤±(8%R+0.1Ω), B 型(Type B): ΔR≤±(5%R+0.1Ω)
电涌试验 Surge test	施加脉冲电压 Surge voltage,周期 Period:t=5s, 50times	ΔR≤±20%R

■ **订货指南 Ordering information**

RI10 - 1W - 1KΩ - K

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.