

- 阻值高、范围宽、稳定可靠
High resistance, wide resistance range, established stability
- 适用于航天、航空、仪器、仪表等领域
Widely used in aviation, aerospace, instrument and meters etc.

RJ40 型高阻金属膜电阻器
RJ40 High ohmic, metal film resistor

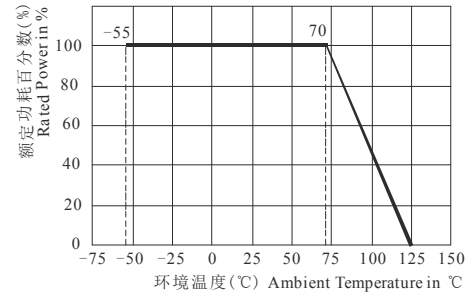
■ 适用标准 Applicable specifications

- GB/T5729-2003 电子设备用固定电阻器第一部份：总规范
- Q/RU255-2014 RJ40 型高阻金属膜电阻器详细规范

■ 外形尺寸 Dimensions in millimeters

型号 Type	额定功率 Rated Power (W)	外形尺寸 Dimension (mm)			
		ΦDmax	Lmax	Φd	l
RJ40	0.25	2.8	8.2	0.6±0.05	25±2
	0.5	4.2	10.5	0.8±0.05	
	1	6.6	13.0		
	2	8.6	18.5		30±2

■ 降功耗曲线 Derating

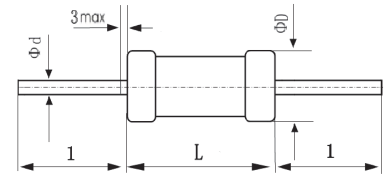


高阻高压电阻器

■ 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	允许偏差 Tolerance (%)	电阻温度 系数 TCR (×10 ⁻⁶ /°C)	电压系数 Voltage Coefficient (%)	元件极限电压 Limiting Element Voltage (V)
RJ40	0.25	3.3M~51M	E24	±(5、10)	<470MΩ ≤±1500 ≥470MΩ ≤±2000	≤±6	250
	0.5	5.6M~150M					350
	1	11M~300M					500
	2	11M~1000M					750

■ 外形尺寸图 Dimension



■ 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	
电压系数 Voltage coefficient	10V/100V	ΔR ≤ ±6% R	
耐久性 Endurance	(70±2)°C, U _{max} , 1000h	ΔR ≤ ±6% R	
负荷试验 Over-load	(70±2)°C, U _{max} , 96h	ΔR ≤ ±4% R	
稳态湿热 Damp heat, steady state	(40±2)°C, RH(90~95)%, 96h		
温度快速变化 Fast thermal shock	-55°C~+125°C, 5 cycles	ΔR ≤ ±2% R	
可焊性 Solderability	235±5°C, 2±0.5s	浸锡面 covered ≥95%	
引出端强度 Terminal strength	拉力 Tension	0.25W: 8N, (0.5~2)W: 10N	ΔR ≤ ±1.5% R
	扭转 Torque	180°, 2 times	阻体和帽盖间无松动 No fracture between resistance element and cap
	弯曲 Bending	90°, 2 times, 负荷 applied force 5N	无可见损伤 No visible damage
脉冲负荷 Pulse load	0.25W, 500V; 0.5W, 750V; 1W, 1000V; 2W, 1200V (100~20000)Hz, (0.1~500)us, 30min	ΔR ≤ ±3% R	
低气压 Barometric atmosphere	667Pa~4Kpa 0.25: 220V, 0.5W: 275V, 1W: 330V, 2W: 385V	无击穿与飞弧 No breakdown or flashover	
机械负荷 Mechanical overload	振动 Vibration: (10~500)Hz, 150m/s ² , 2h	ΔR ≤ ±2% R	
	冲击 Shock: 500m/s ² , 11ms, 18 times		
	稳态加速度 Stable state acceleration: 500 m/s ² , 5 min		

■ 订货指南 Ordering information

RJ40-1W-51MΩ-J

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