



■使用时、必须按要求安装散热板

Heat sink must be installed as required when using the resistor

RX24 型线绕电阻器 RX24 Wirewound resistor

■ 适用标准 Applicable specifications

- GB/T5729-2003 电子设备用固定电阻器 第一部分：总规范
- Q/RU157-2006 RX24 型详细规范

■ 外形尺寸 Dimensions in millimeters

型号 Type	额定功率 Rated Power (W)	外形尺寸 Dimension(mm)							
		L ±0.5	W ±0.5	Hmax	M1 ±1	M2 ±1	ΦD ±0.5	ΦD1 ±0.5	L1
RX24	5	15.5	16.5	9	11.3	12.5	2.4	1.3	7±1.5
	10	19	20.5	10	14	16	2.2	3.2	8.6±1.5
	20/25	27	27.5	14	18	20	2		10.8±2
	50	50	29	15.8	40	22			10.5±2.5

■ 主要技术指标 Technical and standard electrical specifications

型号 Type	额定功率 Rated Power (W)	阻值范围 Resistance Range(Ω)	阻值允许 偏差 Tolerance (%)	电阻温度 系数 TCR (±10 ⁻⁶ /°C)	阻值系列 E-Series
RX24	5	0.51~3.32K	±1 ±2 ±5 ±10	R ≥ 10 Ω : ±100 R < 1 Ω : 不考核, Not examined	E48
	10	0.51~4.4 K			
	20/25	0.51~8.66 K			
	50	0.51~26.1 K			

■ 主要检验项目、检验方法及性能要求 Performance

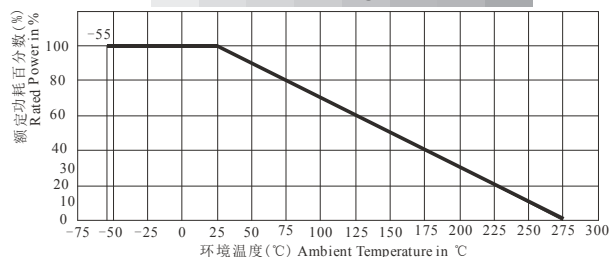
检验项目 Test	检验方法 Conditions of test	性能要求 Test Limits
绝缘电阻 Insulation Resistance	(500±50)V, V形块法 V-block method, (500±50)V	R _i ≥ 100MΩ
温升 Temperature Rise	P _R	≤ 275°C
短期负荷 Short-time Overload	25°C, U _R , 100h	ΔR ≤ ±(3%R + 0.05Ω)
耐电压 Dielectric Withstand Voltage	1.5U _{max} , V形块法 V-block method	无击穿、飞弧现象 No breakdown or flashover
低气压 Low Air Pressure	1KPa, 1/2U _{max} , 1min	
振动 Vibration	10~500Hz, 98m/s ² , 0.5h	ΔR ≤ ±(1%R + 0.05Ω)
可焊性 Solderability	235±5°C, 2±0.5s	浸锡面 ≥ 95% Good tinning ≥ 95% covered
引出端强度 Terminal Strength	电阻器两引出端应能承受沿轴向的静负荷 1kg Tow terminal resistors should be able to withstand the Static load along the axial direction of 1kg	ΔR ≤ ±(0.5%R + 0.05Ω)
电阻温度系数 TCR(×10 ⁻⁶ /°C)	-55°C/20°C, 20°C/150°C	≤ ±100, R < 10Ω, 不考核 ≤ ±100, Resistance less than 10Ω not be examined
稳态湿热 Damp heat, steady state	40±2°C, RH 90~95%, 48h	ΔR ≤ ±(1%R + 0.05Ω), R _i ≥ 10MΩ Insulation resistance ≥ 10MΩ
碰撞 Collision	40~80 次/分钟 40~80times/min, 147 m/s ² , 1000 cycles	无机械损伤 No mechanical damage ΔR ≤ ±(1%R + 0.05Ω)
温度快速变化 Rapid Change of Temperature	-55°C/25°C/275°C, 3 cycles	精度 Tolerance ±1%, ±2%, ΔR ≤ ±(1%R + 0.05Ω) 精度 Tolerance ±5%, ΔR ≤ ±(3%R + 0.05Ω)

■ 订货指南 Ordering information

RX24 - 5W - 50Ω - J

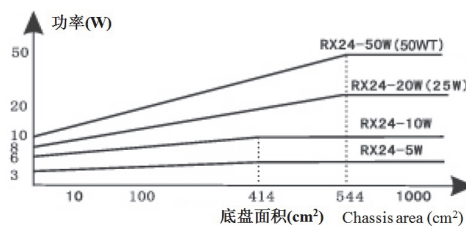
型号 Type - 额定功耗 Rated Power - 标称阻值 Nominal Resistance - 允许偏差 Tolerance

■ 降功耗曲线 Derating



■ 底盘面积减额曲线

Derating curve by reason of chassis area



■ 外形尺寸 Dimensions

