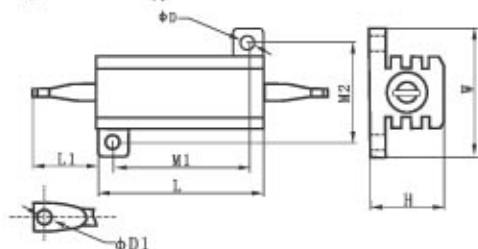


- 功率大, 精度高, 尺寸小
High power, high accuracy, small size
- 使用时, 必须按要求安装散热板
Heat sink must be installed as required when it's used

RX24 型线绕电阻器 RX24 Wire-Wound Resistor

★ 适用标准 Sandardt

- ▲ GB/T5729-2003 电子设备用固定电阻器第一部分: 总规范
GB/T5729-2003 Fixed resistor used in electronic equipment part 1: Generic specification
- ▲ Q/RU157-2006 (企业标准) RX24功率型线绕电阻器详细规范
Q/RU157-2006 Type RX24 Power Wire-Wound resistor specification



★ 外形尺寸 Dimension

品种 Type	阻体尺寸Body sizes (mm)						引线尺寸Terminal Dimension (mm)	
	L	W	Hmax	M1	M2	φD	L1	φD1
RX24-5W	15.5±0.3	16.5±0.3	9	11.3±0.3	12.5±0.3	2.4	7±1.5	1.3
RX24-10W	19±0.3	20.5±0.5	10	14±0.3	16±0.3	2.2	8.6±1.5	2
RX24-20W(25W)	27±0.5	27.5±0.5	14	18±0.3	20±0.3	3.2	10.8±2	2
RX24-50W	50±0.5	29±0.5	15.8	40±0.5	22±0.5	3.2	10.5±2.5	2

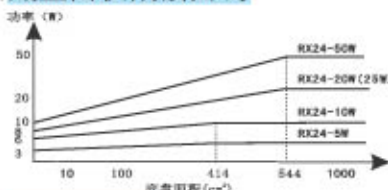
★ 主要技术指标 Main specification

品种 Type	阻值范围 Resistance range (Ω)	阻值系列	阻值允许偏差 Resistance tolerance ± (%)	电阻温度系数TCR ± (×10 ⁻⁵ /°C)	元件极限电压 Limit Voltage (V)	绝缘电压 Insulation voltage (V)	安装底盘面积 Surface area of chassis (cm ²)
RX24-5W	0.511~3.32K	E48	1 (F)	100 ≤10Ω No stipulation	130	195	414
RX24-10W	0.511~4.42K		2 (G)		200	300	414
RX24-20W(25W)	0.511~8.66K		5 (J)		400	600	544
RX24-50W	0.511~26.1K		R<10Ω 5 (J)		800	1200	544

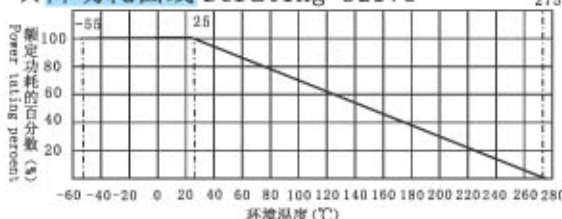
★ 主要检验项目、检验方法及性能要求 Main inspection items, methods & requirements

检验项目Items	性能要求Requirements	检验方法Methods
引出端强度Terminal strength	$\Delta R \leq \pm (0.5\%R + 0.05 \Omega)$	拉力试验Tension test 9.8N 10±1s
电阻温度系数TCR	$\pm 100 \times 10^{-6} / ^\circ\text{C}$ (R<10Ω, No stipulation)	-55°C/20°C 20°C/+150°C
恒定湿热Constant damp-heat	Insulation resistance $\geq 10M \Omega$, $\Delta R \leq \pm (1\%R + 0.05 \Omega)$	40±2°C Relative humidity: 93±3% 48h
振动Vibration	$\Delta R \leq \pm (1\%R + 0.05 \Omega)$	(10~500)Hz, 98m/s ² , 0.5h
可焊性Solderability	引出线扁平部分焊料能自由流动并与引线润湿为可焊性良好 Terminal is well covered with solder and the solder can freely flow	235±5°C 2±0.1s
温度循环Thermal cycle	$\Delta R \leq \pm (3\%R + 0.05 \Omega)$	-55°C/275°C 3 cycles
低气压 Low atmospheric pressure	无击穿或飞弧No breakdown or flashover	5W: 65V, 10W: 100V 20(25)W: 200V, 50W: 400V Way of V-shaped block
表面温升Surface temperature rise	≤275°C	U _R
短期负荷Short-time load	$\Delta R \leq \pm (3\%R + 0.05 \Omega)$	室温Room temperature, U _R 100h

★ 底盘面积减额曲线



★ 降功耗曲线 Derating cuive





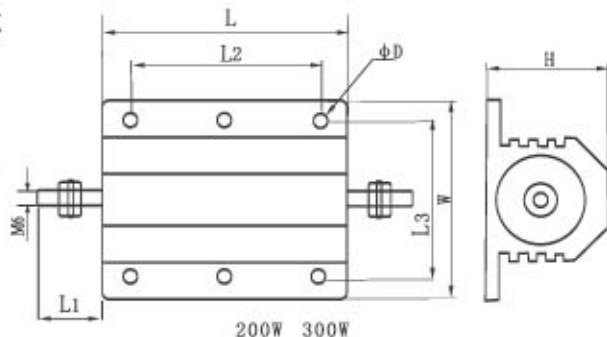
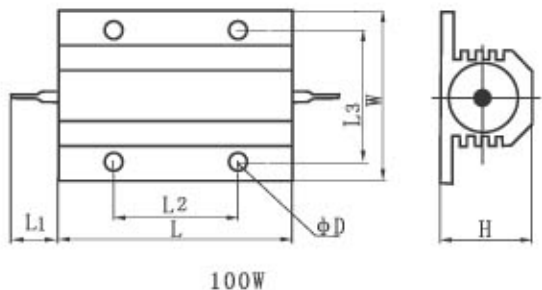
- 功率大, 精度高, 尺寸小
High power, high accuracy, small size
- 使用时, 必须按要求安装散热板
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RXG24 功率型线绕电阻器
RXG24 Wire-Wound Resistor

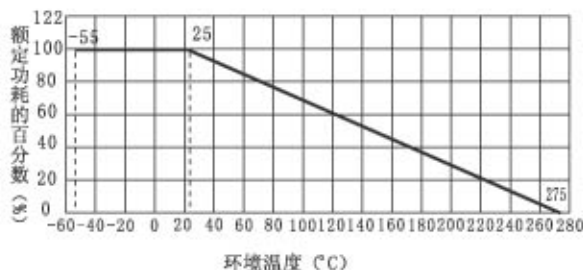
★ 适用标准 Standard

- ▲ GB/T5729-1994 电子设备用固定电阻器 第一部分:总规范
GB/T5729-1994 Fixed resistor used in electronic equipment part 1: Generic specification
- ▲ Q/RU183-2003 RXG24型线绕电阻器详细规范
Q/RU183-2003 Type RXG24 wire-wound resistor specification

★ 外形尺寸 Dimension (mm)



★ 降功耗曲线 Derating curve



型号 Type	阻体尺寸Body size(mm)						
	L±2	W±2	Hmax	L2	L3	φD	L1min
RXG24-100	65.5	48	26	35±0.15	37±0.15	4.4	15
RXG24-200	90	73	45	70±0.15	57.2±0.15	5.1	20
RXG24-300	128	73	45	104±0.2	59±0.2	6.6	20

★ 主要技术指标 Main specification

型号 Type	20℃下额定功耗 Rated power at 20℃	阻值范围 Resistor range (Ω)	电阻系列 Resistance series	允许偏差 Resistor tolerance (%)	元件极限电压 Limit voltage	耐电压 Withstand voltage	电阻温度系数TCR ±(×10 ⁻⁶ /℃)	表面温升 Surface temperature rise
RXG24-100	100W	0.5~1K	E24	±5	1200V _{DC}	1800V _{DC}	100 (<10Ω不考核)	≤275℃
RXG24-200	200W	0.5~1K			1400V _{DC}	2100V _{DC}		
RXG24-300	300W	1~2K	E48	±10	1600V _{DC}	2400V _{DC}		

★ 主要检验项目、检验方法及性能要求 Main inspection items, methods & requirements

检验项目Items	性能要求Requirements	检验方法Methods
恒定湿热Constant damp-heat	$\Delta R \leq \pm(1\%R + 0.05\Omega)$	40℃ humidity RH; (90±3)% 48h
温度变化Temperature change	$\Delta R \leq \pm(3\%R + 0.05\Omega)$	-55℃~+275℃
低气压Low atmospheric pressure	无击穿或飞弧No breakdown or flashover	100W600V _{DC} 200W 700V _{DC} 300W 800V _{DC}
振动Vibration	$\Delta R \leq \pm(1\%R + 0.05\Omega)$	(10~500)Hz 98m/s ²
引出端强度Terminal strength	$\Delta R \leq \pm(1\%R + 0.05\Omega)$	20N 10S
表面温升Surface temperature rise	≤275℃	U _R
绝缘电阻Insulation resistance	≥100MΩ	V _{DC} 500V
耐电压Withstand voltage	无击穿或飞弧按表No breakdown or flashover	按表
长期连续负荷Long-term continuous load	$\Delta R \leq \pm(10\%R + 0.5\Omega)$	25℃: U _R , 1000h