

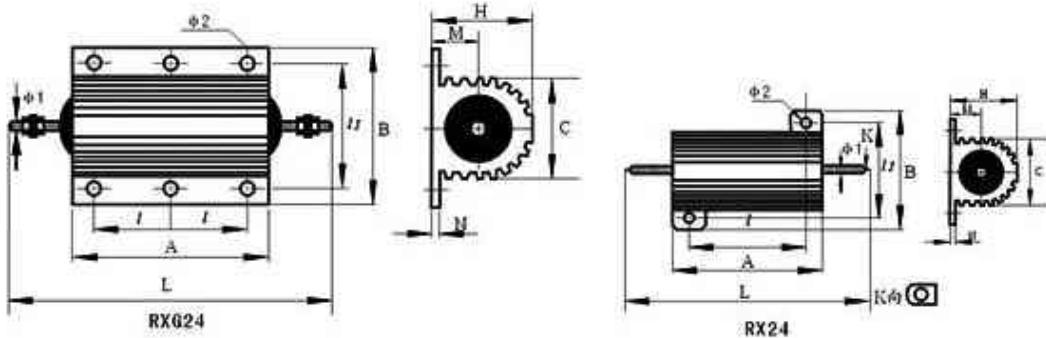
# RX24

## 铝外壳功率线绕电阻器

### AL-HOUSING POWER WIRE-WOUND RESISTOR

#### 特点 FEATURES

- 多种引线结构形式 易于安装  
Multifarious structure of terminal, easy to be Mounted
- 功率大 散热性好  
Big power , easy at heat-dissipation
- 内部模压结构, 安全可靠  
Inner molded, structure reliable
- 符合 MIL-PRF-18546 规范要求  
According with MIL-PRF-18546



外形尺寸 SIZE: (mm)

型号 Type	功率 Power	外形尺寸 Sizes											散热板 Heat-sink		重量 Wet
		A	B	L	H	C	I	L1	M	N	φ 1	φ 2	s-area	thick	
RX 24	5W	15.5	16	36.5	8	8.5	11.4	12	4.4	1.5	1.5	2.2	415	1mm	3g
	10W	19.5	21	40.5	10	11.2	14	16	5	2	2	2.5	415		6g
	20W	27	27	48	13	14.3	18.3	20	7	2	2	3.5	535		11g
	30W	34	29	55	15.5	16.3	25	22	7.3	2	2	3.5	535		18g
	50W	50	29	71	15.5	16.3	40	22	7.3	2	2	3.5	995		30g
RXG 24	75W	65.5	48	93.5	26	27	23.5	37	11.5	3.5	M3	4.4	995	3mm	90g
	100W	98	48	126	26	27	35	37	11.5	3.5	M3	4.4	995		160g
	150W	135	48	158	26	27	52	37	11.5	3.5	M3	4.4	995		240g
	200W	92	73	132	45	46.5	35	58	21	5	M6	5.5	3750		420g
	250W	112	73	152	45	46.5	45	58	21	5	M6	5.5	4765		480g
	300W	130	73	170	45	46.5	51	58	21	5	M6	5.5	5780		580g
	500W	204	73	244	45	46.5	87	58	21	5	M6	5.5	8500		970g

#### 应用范围 APPLICATION

- 电力 电源 Power supply and electric power
- 铁路信号 Railway communication
- 变频 机车 Frequency converter and locomotive

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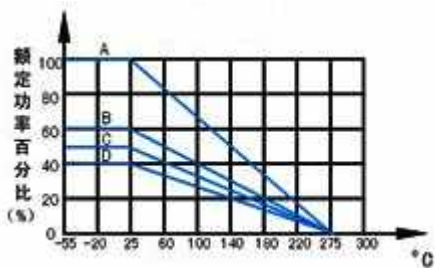
## 技术参数 SPECIFICATION

型号 Type	额定功率 25°C Rated Power		阻值范围 Value Range	阻值精度 Tolerance	温度系数 TCR	介质电压 Insulate Vol
	With Heat-sink	Without Heat-s				
RX24	5W	3W	0.01Ω -1KΩ	±1%	±50ppm/°C	1000V
	10W	8W	0.01Ω -1.5KΩ	±5%	±100ppm/°C	
	20W	12.5W	0.01Ω -10KΩ			
	30W	15W	0.01Ω -27KΩ			
	50W	20W	0.01Ω -33KΩ			
RXG24	75W	45W	0.01Ω -39KΩ			2000V
	100W	50W	0.01Ω -51KΩ			
	150W	55W	0.01Ω -56KΩ			
	200W	60W	0.01Ω -62KΩ			
	250W	65W	0.01Ω -68KΩ			
	300W	75W	0.01Ω -75KΩ			
	500W	200W	0.01Ω -82KΩ			

## 性能指标 PERFORMANCE

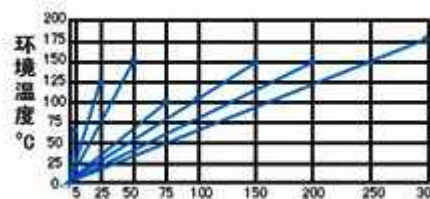
试验项目 Test Item	性能要求 Performance	试验方法 Test Method
可焊性 Solderability	≥95%	235±5°C 2 s
引出端强度 Terminal Tension	$\Delta R \leq \pm(1\%R+0.05\Omega)$	40N
温度快速变化 Temp Rapid Change	$\Delta R \leq \pm(1\%R+0.05\Omega)$	-55°C~+155°C 5 cycles
短时间过载 Short Time Overload	$\Delta R \leq \pm(1\%R+0.05\Omega)$	10Pr 5s
恒定湿热 Climate Change	$\Delta R \leq \pm(5\%R+0.05\Omega)$	+40±2°C 93 <sup>+2</sup> . <sub>3</sub> % 21days
冲击 Shock	$\Delta R \leq \pm(1\%R+0.05\Omega)$	490m/s <sup>2</sup> 11ms 18times
振动 Vibration	$\Delta R \leq \pm(1\%R+0.05\Omega)$	10-50Hz 98m/s <sup>2</sup> 6h
寿命 Load Life	$\Delta R \leq \pm(5\%R+0.05\Omega)$	Pr 1000h
耐早接热 Resist to Soldering	$\Delta R \leq \pm(1\%R+0.05\Omega)$	350±10°C 3.5±0.5s
表明温升 Temp Rise of Surface	≤275°C	Pe

## 降功耗曲线 Derating Curve



## 表面温升 Temp. Rise of Surface

(标准散热器 with Standard Heat Sink)



- A 适合所有 RX24, 带散热器 Suitable for all RX24 series with standard Heat Sink
- B 5W 和 10W 不带散热器 5W and 10W without Heat Sink
- C 25W 不带散热器 25W without Heat Sink      D 50W-500W 不带散热器 50W-500W without Heat Sink