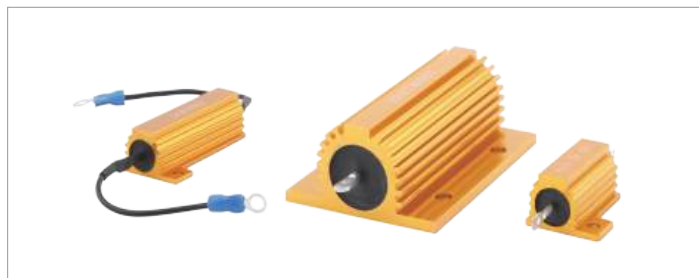


产品简述 (Product Profile)

奥创电子RX24功率型系列黄金铝壳电阻器，外壳采用铝合金制造，表面具有散热沟槽，体积小，功率大，耐高温，过载能力强，具有耐候性、高精度，标准低电感电阻，高稳定，强架构，其变通性佳多重组合选择，有利于机械保护，更方便使用者安装。

Aotrou Electronics aluminum chassis mount units are designed for maximum heat dissipation mounting solidly to metal chassis surface for maximum heat transfer. RX24 series are outstanding for their high power dissipation with precision tolerances in minimum physical sizes.

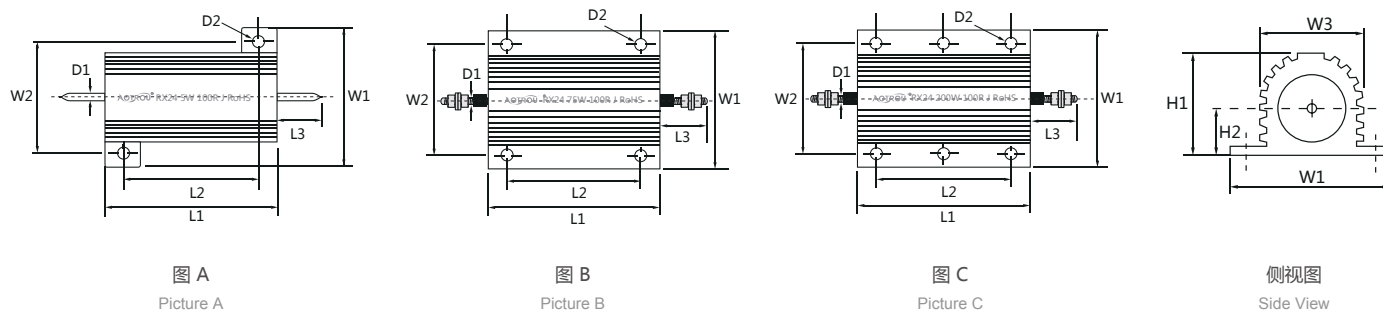


产品特点 (Product Features)

- 1.额定功率范围：5W~1000W
- 2.工作电压范围：<1KV
- 3.额定阻值范围：0.1Ω~10KΩ
- 4.耐压范围：AC1KV~AC3.5KV 50Hz/5s
- 5.IP等级：IP53
- 6.振动：1.5g
- 7.温漂范围：≤400ppm/°C

- 1.Rated power range: 5W~1000W
- 2.Operating voltage range: <1kV
- 3.Rated resistance range: 0.1Ω~10KΩ
- 4.Dielectric strength: AC1KV~AC3.5KV 50Hz/5s
- 5.IP rating: IP53
- 6.Vibration: 1.5g
- 7.Temperature coefficient: ≤400ppm/°C

产品尺寸图 (Product Size)



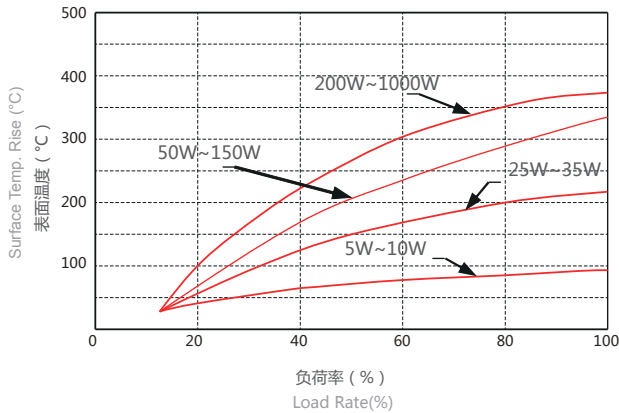
产品尺寸表 (Product Size)

规格 Type	功率 Rated power(W)	外型图 Product picture	尺寸 Dimension(mm)										重量 Weight(g)	阻值范围 Resistance range(Ω)	出线方式 Connection
			L1±1	L2±1	L3±2	W1±0.5	W2±0.5	W3±0.5	H1±0.5	H2±0.5	D1±0.2	D2±0.2			
RX24	5	图 A Picture A	15	11	27.5	16	12	9.5	8	3.5	0.6	2.2	4.5	0.1Ω-10KΩ	引线 Cable
RX24	10		20	14	11	23	16.5	12	10.5	4.4	1.6	3	5.5	0.1Ω-10KΩ	
RX24	25		28	18	11	27	20	14	13.5	5.5	2	3.5	12.5	0.1Ω-10KΩ	
RX24	35		33	25	11	29	21.5	16	15	6.6	2	3.5	20	0.1Ω-10KΩ	
RX24	50	图 C Picture C	50	40	11	29	21.5	16	15	6.6	2	3.5	26	0.1Ω-10KΩ	引线/扁孔 Cable/Flat Hole
RX24	75		66	35	16.5	48	37	26.5	26	11	M4	5	105	0.1Ω-10KΩ	
RX24	100		98	70	14.5	48	37	26.5	26	11	M4	5	155	0.1Ω-10KΩ	螺纹/扁孔 Thread / Flat Hole
RX24	150		136	112	15.5	48	37	26.5	26	11	M4	5	220	0.1Ω-10KΩ	
RX24	200		92	70	17	72	58	46	45	21	M6	5	340	0.1Ω-10KΩ	螺纹 Thread
RX24	250		112	90	17.5	72	58	46	45	21	M6	5	410	0.1Ω-10KΩ	
RX24	300		128	104	15.5	72	58	46	45	21	M6	5	460	0.1Ω-10KΩ	
RX24	500		200	172	17.5	72	58	46	45	21	M6	6	700	0.1Ω-10KΩ	
RX24	800		250	200	17.5	72	58	46	45	21	M6	6	865	0.1Ω-10KΩ	
RX24	1000		300	246	17.5	72	58	46	45	21	M6	6	1030	0.1Ω-10KΩ	

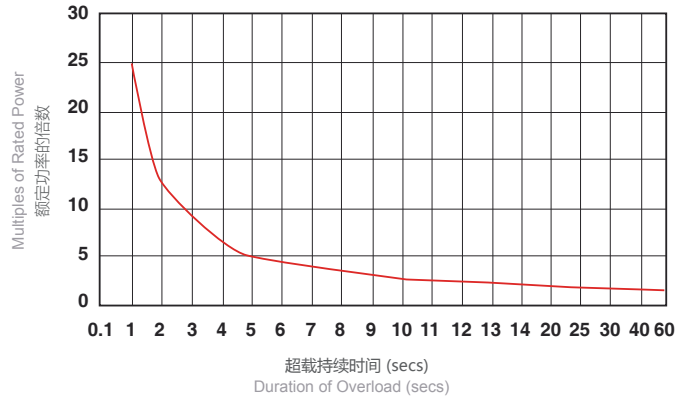
以上参数仅供参考，选型时或需定制产品请咨询我司业务。产品数据如有更新，不再另行通知。

Parameters are for reference only. If you have any questions, contact our sales department please. Information about the parameters is subject to change without notice.

■ 表面温升 (Surface Temperature Rise)



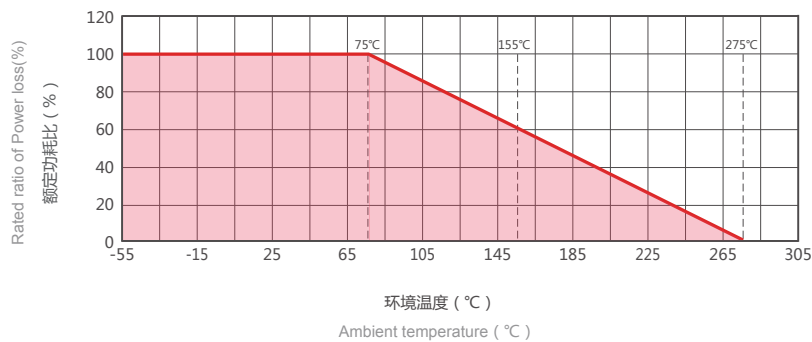
■ 过载曲线图 (Power Overload)



此图表示标准RX24系列电阻器的额定功率（20°C时）在100毫秒到60秒的过载情况下可能增加的量

This graph indicates the amount that the rated power (at 20°C) of the standard RX24 Series resistor may be increased for overloads of 100ms to 60S

■ 降额曲线 (Derating Curve)



■ 材料说明 (Material Description)

- 1.电阻丝：电阻合金丝
- 2.电阻芯基体：耐高温陶瓷或滑石瓷
- 3.密封材料：电子绝缘料
- 4.外壳：阳极氧化铝外壳
- 5.端盖：铁帽
- 6.标准端子：
 - 5W 镀锡引线
 - 10W~50W 镀锡端子
 - 75W~1000W 螺纹端子

1. Resistor wire: resistance alloy wire
2. Resistor core base: heat-resisting ceramics or talc porcelain
3. Sealing material: electronic insulation material
4. Housing: anodized aluminum shell
5. End cover: iron hat
6. Lead-out terminals:
 - 5W Tinned cable
 - 10W~50W Tinned terminals
 - 75W~1000W Threaded terminals

■ 特殊改变 (Special Change)

RX24铝壳电阻可以依客户要求做如下改变:

- 1.铝外壳尺寸
- 2.引出端形状及尺寸以及材质
- 3.阻值精度及耐电压
- 4.温度系数
- 5.铝外壳外形
- 6.安装孔大小
- 7.安装孔心距
- 8.引出线长度及线径材质

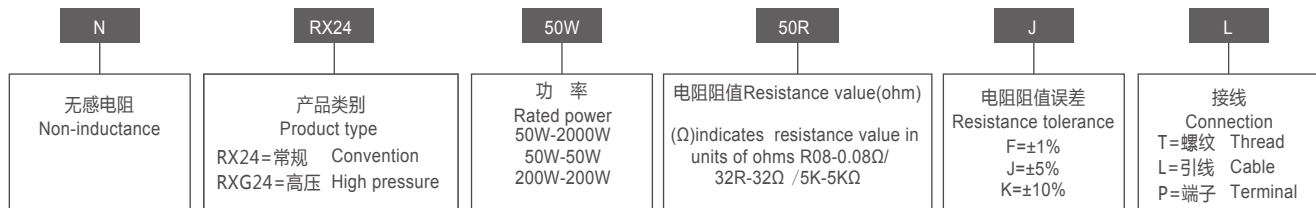
Below items can be customized:

1. Dimension of alu housing
2. Shape, dimension, and material of lead-out terminal
3. Resistance accuracy, Voltage resistibility
4. Temperature coefficient
5. Shape of alu shell
6. Install hole size
7. Mounting hole center distance
8. Length, diameter, and material of lead-out wires

■ 电气、机械特性 (Mechanical And Electrical Properties)

特性 Property	检查方法 Inspection method	性能要求 Performance requirements	试验标准 Test method
稳态湿热 Constant humidity-heat	40°C±2°C 相对湿度(度90-95)% 96h Temperature 40°C±2°C,RH(90-95)% 96h	$R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.24
温度快速变化 Temperature change	-55°C-+155°C 5次循环 -55°C to +155°C, 5 Circes	$R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.19
短时过负荷 Transient overload	10倍Pr 5S 10 Time Pr 5s	无可见损伤 $R \leq \pm(1\%R + 0.05\Omega)$ No visible destruction $R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.13
绝缘电阻 Insulation resistance	DC 1000V	$R \geq 100M\Omega$	GB5729.4.6
耐电压 Voltage resistibility	DC 50HZ 5S RX24-5W~RX24-25W 1000V RX24-35W, RX24-50W 1500V RX24-75W~RX24-150W 2000V RX24-200W~RX24-1000W 2500V	无击穿或飞弧 Free of breakage or flying arc	GB5729.4.7
负荷寿命 Life	25°C Ur 1000h	$R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.25
端子强度 Terminal strength	(1) 拉力测试 Pull Test (30 sec Min) RX24-5W: 0.5kg, RX24-10W: 1kg RX24-25W~RX24-50W: 2.3kg (2) 扭转测试 Torque Test (5~15sec) RX24-75W~RX24-150W: 27kg-cm RX24-200W~RX24-1000W: 36kg-cm	无可见损伤 Free of visible destruction	GB5729.4.16
耐振性 Vibration resistibility	f:5-200HZ a=1g X.Y.Z各2h	无可见损伤 $R \leq \pm(1\%R + 0.05\Omega)$ Free of visible destruction $R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.22

■ 成品识别码 (Product Identification Code)



RX24 50W 50RJ (此款产品为常规品50W/50Ω 铝壳电阻器 50W/50Ω Aluminum Enclosure Resistor)

RXG24 : 超过电气、机械特性上面表格的耐电压 RXG24: exceeds the voltage endurance of Mechanical And Electrical Properties in the table above