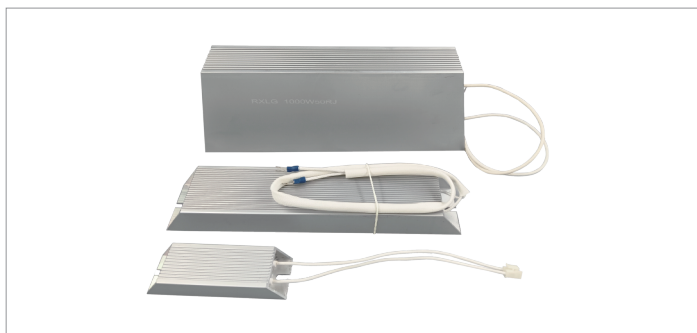


产品简述 (Product Profile)

RXLG系列电阻器具有高负荷，散热优，不燃性，高频特性好，抗脉冲好。广泛应用于电源，变频器，伺服系统等高要求的电气回路中，并能够用于恶劣的工控环境。

RXLG series resistors are high load, heat-sink performance, non-flame, Stable performance of high voltage, pulsing load, and are widely applied to electrical circuits demanding high adaptability to bad industrial operating conditions such as power supply, inverters and servo systems.

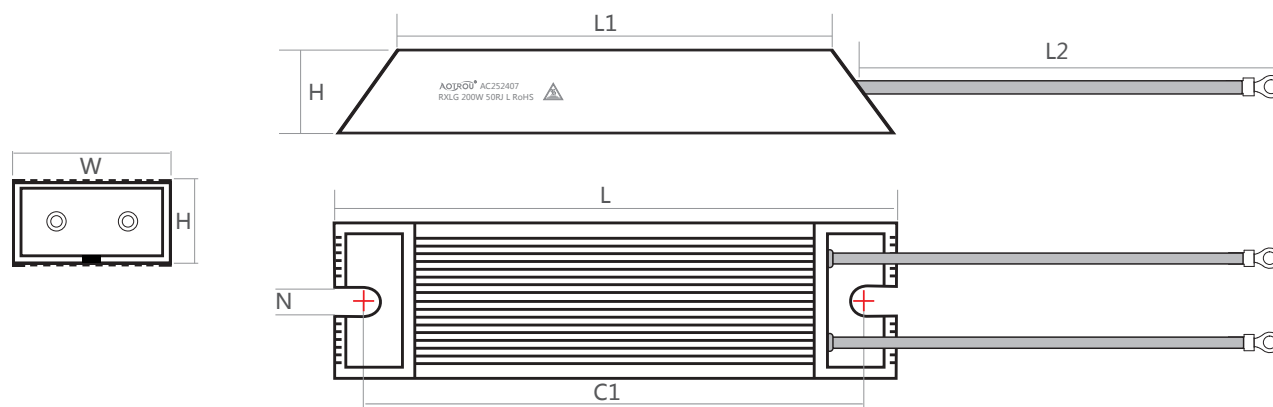


产品特点 (Product Features)

- 1.额定功率范围：60W~9000W
- 2.工作电压范围：<1.2KV
- 3.额定阻值范围：0.1Ω~30KΩ
- 4.耐压范围：AC2KV~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: 60W~9000W
- 2.Operating voltage range: <1.5kV
- 3.Rated resistance range: 0.1Ω~30KΩ
- 4.Dielectric strength: AC2KV~AC3.5KV 50Hz/5s
- 5.IP rating: IP53
- 6.Vibration: 1.5g
- 7.Temperature coefficient: ≤400ppm/°C

产品尺寸图 (Product Size)



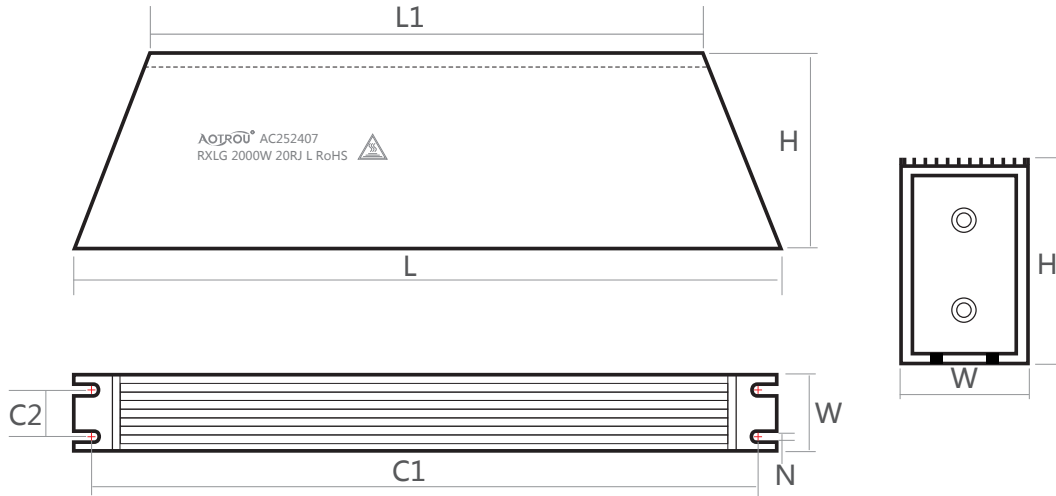
产品尺寸表 (Product Size)

规格 Type	功率 Rated power(W)	尺寸 Dimension(mm)						配线 Connecting wire(mm)	引线长度L2 Lead length (mm)	接线端子 Terminal	重量 Weight(Kg)	阻值范围 Resistance range(Ω)	出线方式 Connection
		L±1	L1±1	W±0.5	H±0.5	N±0.2	C1±1						
RXLG	60	100	70	40	20	5.5	85	1.3	300	1.25-4S	0.13	0.5Ω-10KΩ	引线 Cable
RXLG	80	110	80	40	20	5.5	95	1.3	300	1.25-4S	0.14	0.5Ω-10KΩ	
RXLG	100	115	85	40	20	5.5	100	1.3	300	1.25-4S	0.15	0.5Ω-10KΩ	
RXLG	120	165	135	40	20	5.5	150	1.3	300	1.25-4S	0.20	0.5Ω-10KΩ	
RXLG	150	185	155	40	20	5.5	170	1.3	300	1.25-4S	0.22	0.5Ω-10KΩ	
RXLG	200	165	125	60	30	5.5	150	1.3	300	1.25-4S	0.45	0.1Ω-20KΩ	
RXLG	300	215	175	60	30	5.5	200	1.3	300	1.25-4S	0.60	0.1Ω-20KΩ	
RXLG	400	265	225	60	30	5.5	250	1.3	300	1.25-4S	0.75	0.1Ω-20KΩ	
RXLG	500	285	245	60	30	5.5	270	1.3	300	1.25-4S	0.82	0.1Ω-20KΩ	
RXLG	600	300	260	60	30	5.5	285	1.3	300	1.25-4S	0.87	0.1Ω-20KΩ	

以上表格的产品尺寸只适合制动、刹车等偶尔制动用途，如负载或长时间运行的工作场景请联系销售人员确认。

Product in above table only applies to occasionally braking. Pls contact our sales for further support if long-time loading or braking is involved.

产品尺寸表 (Product Size)

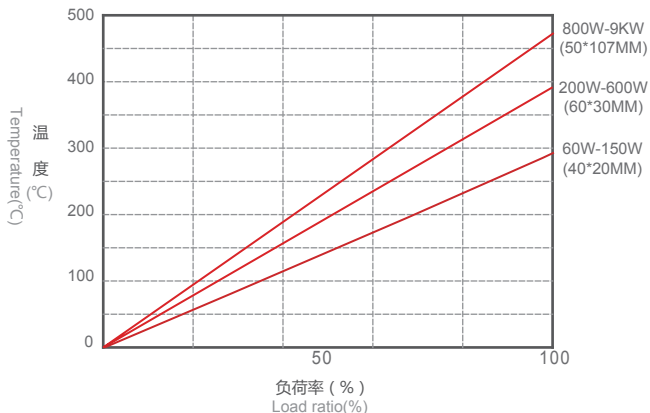


产品尺寸表 (Product Size)

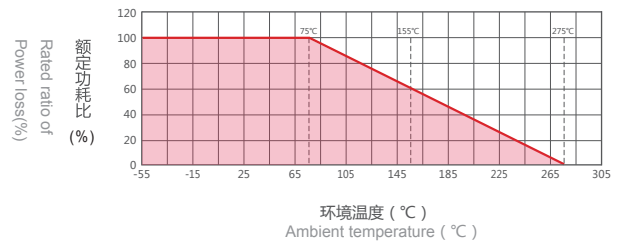
规格 Type	功率 Rated power(W)	尺寸 Dimension(mm)							配线 Connecting wire(mm)	引线长度 Lead length (mm)	接线端子 Terminal	重量 Weight(Kg)	阻值范围 Resistance range(Ω)	出线方式 Connection
		L±1	L1±1	W±0.5	H±0.5	C1±1	C2±0.5	N±0.2						
RXLG	800	210	170	50	107	195	30	6.5	2.5	300	2-6	1.80	0.5Ω-30KΩ	引线/插片/螺纹 Cable/Insert/Thread
RXLG	1000	300	260	50	107	285	30	6.5	2.5	300	2-6	2.70	0.5Ω-30KΩ	
RXLG	1200	350	310	50	107	335	30	6.5	2.5	350	2-6	3.15	0.5Ω-30KΩ	
RXLG	1500	400	360	50	107	385	30	6.5	2.5	400	2-6	3.60	0.5Ω-30KΩ	
RXLG	2000	450	410	50	107	435	30	6.5	2.5	450	2-6	4.05	0.5Ω-30KΩ	
RXLG	2500	485	445	50	107	470	30	6.5	2.5	485	2-6	4.36	0.5Ω-30KΩ	
RXLG	3000	550	510	50	107	535	30	6.5	4	550	3.5-6	4.95	0.5Ω-30KΩ	
RXLG	4000	650	610	50	107	635	30	6.5	4	650	3.5-6	5.90	0.5Ω-30KΩ	
RXLG	4500	700	660	50	107	685	30	6.5	6	700	3.5-6	6.50	0.5Ω-30KΩ	
RXLG	5000	750	710	50	107	735	30	6.5	6	750	3.5-6	6.80	0.5Ω-30KΩ	
RXLG	6000	850	810	50	107	835	30	6.5	6	850	3.5-6	7.10	0.5Ω-30KΩ	
RXLG	7000	900	860	50	107	885	30	6.5	6	900	3.5-6	7.40	0.5Ω-30KΩ	
RXLG	9000	1000	960	50	107	985	30	6.5	6	1000	3.5-6	8.00	0.5Ω-30KΩ	

以上表格的产品尺寸只适合制动、刹车等偶尔制动用途，如负载或长时间运行的工作场景请联系销售人员确认。
Product in above table only applies to occasionally braking. Pls contact our sales for further support if long-time loading or braking is involved.

表面温升 (Surface Temperature Rise)



降额曲线 (Derating Curve)



■ 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 Circles	$R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.19
短时过负荷 Transient overload	10倍Pr 5S 10 Time Pr 5s	无可见损伤 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	AC2500V 50Hz 5s	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	引线直径小于 1.5 20N, 引线线直径 大于 1.5 40N, 端子为 20N The lead line diameter less than 1.5 20N, the diameter more than 1.5 40N, terminal is 20N.	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	GB5729.4.22

■ 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:

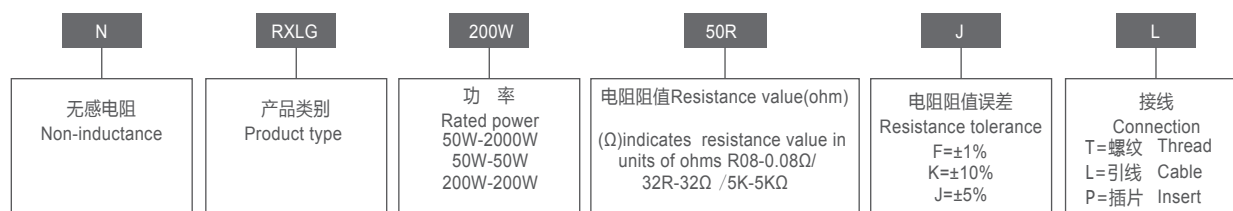
1. Dimension of alu housing
2. Shape, dimension, and material of lead-out terminal
3. Resistance accuracy, Voltage resistibility
4. Temperature coefficient
5. Shape of alu shell
6. Install hole size
7. Mounting hole center distance
8. Length, diameter, and material of lead-out wires

■ 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

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

■ 成品识别码 (Product Identification Code)



RXLG 200W 50RJ (此款产品为常规品200W/50Ω 铝壳电阻器 200W/50Ω Aluminum Enclosure Resistor)