RXG24 金色铝壳电阻器 RXG24 golden aluminum shell resistor	文件编号 Document No.	HU-22/A03
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■产品特性 Feature:

- ●高负荷、散热特性、不燃性;
  High load, heat-sink performance, non-flame ;
- ●高频特性好、抗脉冲性;
  Stable performance of high voltage, pulsing load;
- ●符合环保要求 RoHS compliant, halogen free, lead free;
- ●防护等级 INGRESS PROTECTION: IP53;

■产品引用范围 Application

- ●–家电/音响系统 Entertainment system;
- ●–电源系统/充电设备 Power supply;
- ●–工业/自动化行业 Industrial/automation system;
- ●–变频控制/数控设备 VFD control/CNC equipments;
- ●–新能源设备 New Energy control systems

■环保申明 RoHS declaration

本产品符合 RoHS 2.0(2011/65/EU)环保要求。
The products meet the standards of RoHS 2.0(2011/65/EU).

■参考标准 Reliability standard

可焊性 Weldability Standard:	IEC60068-2-20
环境标准 Environment Standard:	SJ/T 11363-2006, ROHS 2011/65/EU
检验标准 QC standard:	MIL-STD-105E, GB/T 2828.1-2003
产品性能 Performance:	IEC60115-2008, GB/T5729-2003

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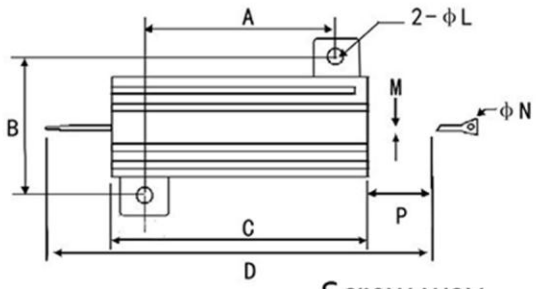
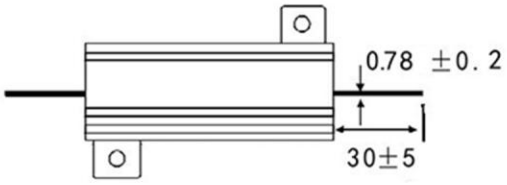
■产品尺寸 Type dimension

Drawing for 5W-50W:

unit:mm



Screw way



Lead way for 5w

Power	A±0.2	B±0.2	C±0.2	E±0.2	F±0.2	G±0.2	H±0.2	J±0.2	L±0.2	N±0.2	M±0.2
5W	11.5	12.5	15	9.5	16.9	8	1.5	3.8	2.0	Lead way	1
10W	13.8	16.8	20	10	23.7	10.5	1.9	5	3	1	2
15W	13.8	16.8	20	10	23.7	10.5	1.9	5	3	1	2
25W	18	19.5	28	13	27	14	2	6	3.3	2	2
30W	18	21	27	15	28.8	15.5	2.2	7	3.3	2	2
35W	23	21	33	15	28.8	15.5	2.2	7	3.3	2	2
50W	40	21.5	50	14.8	28.8	15.5	2.2	7	3.3	2	2

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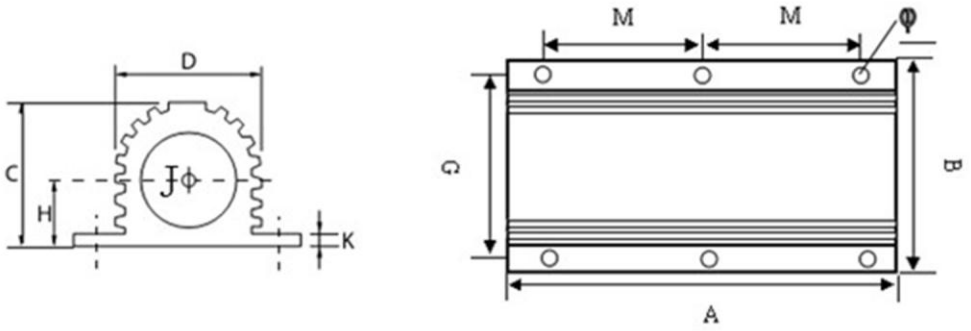
Drawing for 75W-500W:

unit:mm



Power	A±0.2	B±0.2	C±0.2	D±0.2	K±0.2	H±0.2	M±0.2	G±0.2	φ±0.2	J±0.2
75W	66	48	26	26.8	3.5	11.5	35	37	5	M4
100W	98	48	26	26.8	3.5	11.5	35	37	5	M4
150W	136	48	26	26.8	3.5	11.5	56	37	5	M4
200W	92	73	44	45	4	21	35	58	6	M6
250W	112	73	44	45	4	21	45	58	6	M6
300W	128	73	44	45	4	21	52	58	6	M6
500W	200	73	44	45	4	21	86	58	6	M6

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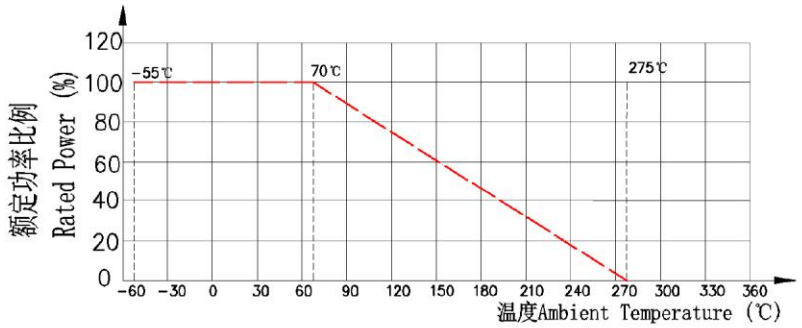
■产品特性 Product performance

●额定功耗 Power Derating Curve:

额定功率是周围温度 70℃以下(推荐工作区域)，可连续使用的负载功率的最大数值，且应使机械性能与电气性能满足. 如周围温度超过 70℃时,依照下图功率衰减曲线而定。

Rated power is the highest using power under 70℃ and continuous duty. At the same time, the overload power is fit for mechanical properties and electrical properties. When the temperature is over 70℃,the power must be derated in accordance with the curve as below:



●额定电压 Rating voltage:

额定功率对应的额定电压,直流(DC)或交流电流(AC),可以采用如下公式计算。当计算的额定电压超过最高使用电压时，则使用最高使用电压为额定电压。

The following equation may be used to determine the DC(Direct Current) or AC(Alternating Current)(RMS, root mean square value) of normal rated power. However, if the result value exceeds the max. using voltage, the max. using voltage is to be used:

$U_P = \sqrt{P \times R}$	U_P: 额定电压 Rating voltage (V) P: 额定功率 Rating Power (W) R: 电阻值 Resistance(Ω)

■标准产品规格 Standard voltage parameters

功率 Rated Power At 70℃	阻值 Resistance (Ω)	最高使用电压 Max. Rating Voltage(U_R)	最高超载电压 Max. Overload Voltage(U_L)	绝缘电压 Insulation Voltage(U_N)	温度系数 T.C.R. PPM/℃	工作温度 Operating Temperature
5W	0.1~500K	150V	250V	1000V	T20:±20 T50:±50 T100:±100 T200:±200 T350:±350 T500:±500	-55℃ ~ +275℃
10W	0.1~500K	150V	250V	1000V		
25W	0.1~500K	250V	350V	1000V		
50W	0.1~500K	250V	500V	1500V		
75W	0.1~100K	350V	500V	1500V		
100W	0.1~100K	350V	750V	1500V		
150W	0.1~10K	500V	750V	2000V		
200W	0.1~10K	500V	1000V	2000V		
300W	0.1~10K	650V	1000V	2000V		

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■产品特性 Product electrical performance:

测试项目 Test Item	测试方法 Test Method	测试方法 Procedure	测试标准 Requirements
端子强度 Terminal robustness	IEC60115-1 4.16	端子加载 20N 拉力，时间 10 秒； Pressurizing force:20N, 10 seconds	无损伤 No damage
本体强度 Body robustness	IEC60115-1 4.15	电阻体中间，加载 10N 的压力，时间 10 秒 Central part pressurizing force:10N, 10seconds	无损伤 No damage
耐振性 Vibration	IEC60115-1 4.22	10~55HZ/0.75mm/2H*3	无损伤 No damage
耐焊锡热 Soldering Heat	IEC60115-1 4.18	350±5℃, 3S±0.5S	△R/R≤±0.5%
可焊锡性 Solderability	IEC60115-1 4.17	245±5℃, 5±0.5S	≥95%
温度系数 Temperature coefficient	IEC60115-1 4.8	$T.C.R. = \frac{R - R_0}{R_0} \times \frac{1}{T - T_0} \times 10^6$ (PPM/℃) R_0:常温下(T_0)的阻值 Resistance at room temperature(T_0); R: 测试温度($T=T_0+100$)的阻值 Resistance at $T=T_0+100$;	根据产品额定参数 Refer to Ratings
短时间过负载 Short Time Overload	IEC60115-1 4.13	Min($\sqrt{10 \times W \times R}$, U_R), 5s	△R/R≤±2.0%
绝缘耐压 Voltage proof	IEC60115-1 4.7	U_N, 60S, I≤1mA.	△R/R≤±1%
绝缘阻值 Insulation resistance	IEC60115-1 4.6	DC500V, R>100MΩ	△R/R≤±0.5%
耐久性 Endurance	IEC60115-1 4.25	Min(U_P, U_R), 1.5H- ON, 0.5H-OFF, 1000H	△R/R≤±5%
高温存储 High Temp. Exposure	IEC60115-1 4.23	125℃，80%， 500H	无损伤 No damage
温度循环 Temperature Cycle	IEC60115-1 4.19	如下循环 Cycle Below: 温度 Temperature: 25℃ / 125℃ / 25℃ / -25℃ 时间 Duration: 15min / 15min / 15min / 15min 持续时间 Cycle Time:1000Hrs.	无损坏 No damage △R/R≤±0.5%
不燃特性 Noninflammability		16*U_P, 5min	无燃烧现象 No flame