

TRAPEZOID ALUMINUM SHELL RESISTOR

RAMH

船型铝壳电阻器

TRAPEZOID ALUMINUM SHELL RESISTOR (RAMH Type)



外观颜色 : Body Color 标示 : Marking
 银色 : Silver 文字 : Alphanumeric

特性 Feature

- ◎精密型高额定功率
- ◎ High power rating, and ultra precision.
- ◎可依客户需求制作
- ◎ Can be produced according to customer's request.
- ◎产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.
- ◎可提供低电感
- ◎ Low inductance is available.

料号编码 Type composition

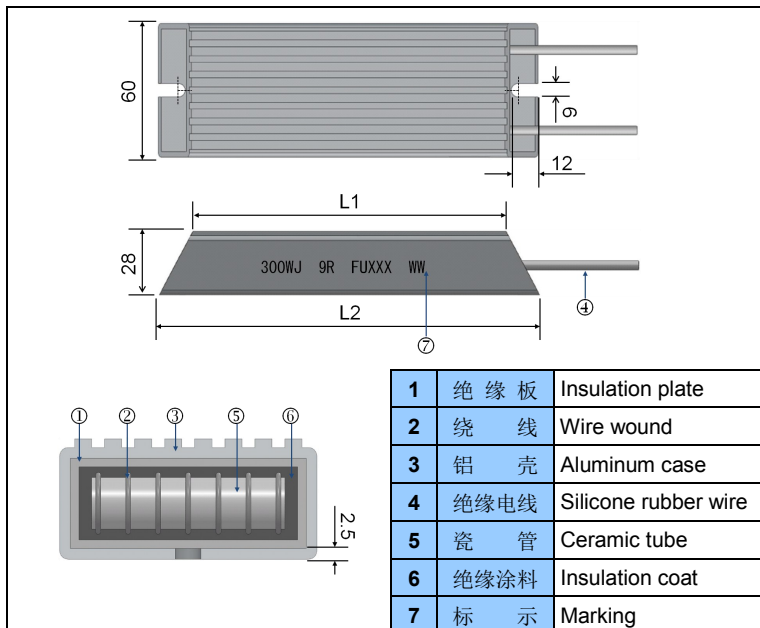
例 Example

RA	MH	301	J	10R0	S000
型名 Type	品名 Size	额定功率 Rated power	误差值 Tolerance	电阻值(Ω) Resistance	直线 Straight
	Ship Type	600:600W 101:100W 301:300W 801:800W	J±5%	R100=0.1 1R00=1 10R0=10 1000=100 1001=1K	S200: 200mm Straight Length

额定 Ratings

Rated Power (W)	阻值范围 Resistance Range(Ω)		误差值 Tolerance	温度系数 T.C.R.	最高使用电压 Max. Working Voltage	最高过负荷电压 Max. Overload Voltage	耐电压 Dielectric Withstanding Voltage
	Standard	Non-inductive					
60	0.001 ~ 5K	0.1 ~ 100Ω	J±5%	±350ppm/°C	1000V	2000V	AC 1500V
80	0.001 ~ 6K	0.2 ~ 100Ω					
100	0.001 ~ 8K	0.2 ~ 100Ω					
120	0.001 ~ 10K	0.2 ~ 100Ω					
150	0.001 ~ 12K	0.2 ~ 100Ω					
200	0.001 ~ 15K	0.2 ~ 150Ω					
300	0.001 ~ 18K	0.5 ~ 150Ω					
400	0.001 ~ 20K	0.5 ~ 200Ω					
500	0.001 ~ 25K	0.5 ~ 500Ω					
600	0.001 ~ 30K	1 ~ 1K					
800	0.001 ~ 30K	1 ~ 1K					

结构图 Construction

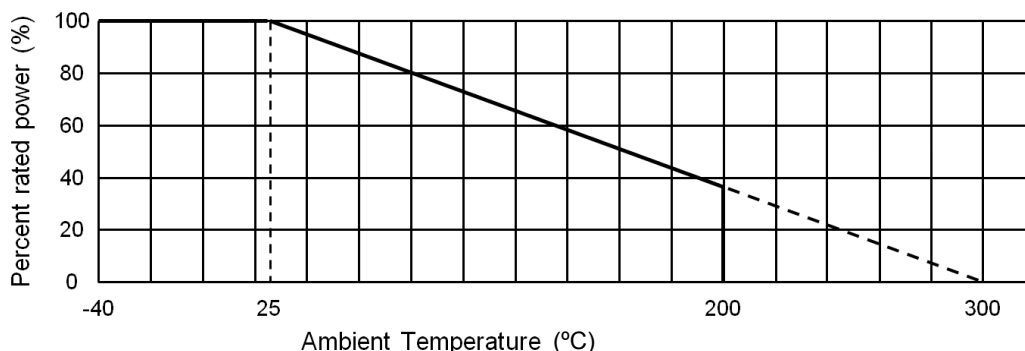


外型尺寸 Dimensions

Rated Power (W)	L1±2 (mm)	L2±2 (mm)
60	50	80
80	60	90
100	75	105
120	90	120
150	120	150
200	140	170
300	180	210
400	230	260
500	300	330
600	360	390
800	400	430
1000	530	560

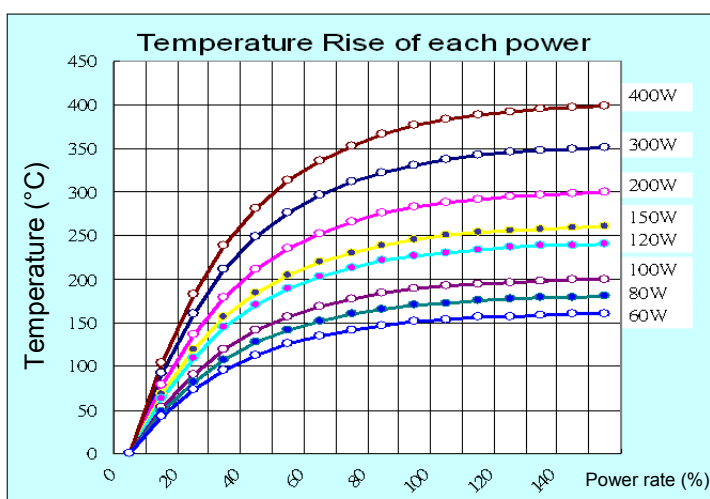
■ 额定温度下降曲线图 Derating curve

例 Example



■ 负荷电力对表面温度上升图

SURFACE TEMPERATURE RISE Vs. LOADED POWER



■ 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖 10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	室温+100°C Room temperature +100°C
短时间过负荷 Short time overload	±(2%+0.05Ω)	10 倍额定功率 · 5 秒 10 times the rated power for 5 seconds
负荷寿命 Load life	±(5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	±(5%+0.1Ω)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐湿性 Moisture resistance	±(3%+0.05Ω)	40°C · 95% RH · 500 小时 40°C, 95% RH for 500 hours
温度循环 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) : room temp. (30min) ~ +85°C (30min) room temp. (30min)
耐电压 Dielectric withstanding voltage	±(0.2%+0.05Ω)	Test voltage : 1,500 V Duration time 60 s
绝缘电阻 Insulation resistance	>1,000MΩ	500V 绝缘测试 1 分钟 500V insulation test 1min.
耐热性 Heat Resistance	±(0.5%+0.05Ω)	Temp. 275°C for 2 hours.