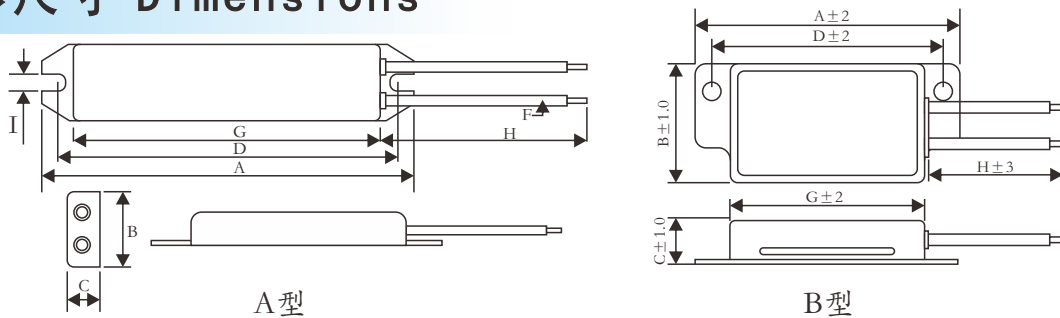


# MRY 铝壳电阻 Aluminum Shell Resistor



本体颜色: Body Color  
 标准品: Standard (Silver 银色)  
 标示: Marking  
 文字: Alphanumeric  
 (根据客户要求提供相应标识)  
 (According to the customer request to provide corresponding identification)

## 外形尺寸 Dimensions



规格 Type	功率 Power (W)	尺寸Dimensions(mm)							
		A±2	B±1	C±1	D±2	G±2	F	H	I±0.5
MRY	40	80	36	13	70	60	0.75mm <sup>2</sup>	300	5
MRY	50	100	30	13	90	75	0.75mm <sup>2</sup>	300	5
MRY	60	100	30	13	90	75	0.75mm <sup>2</sup>	300	5
MRY	80	150	35	21	140	125	0.75mm <sup>2</sup>	300	6
MRY	100	130	42	21	118	108	0.75mm <sup>2</sup>	300	6
MRY	120	182	42	21	165	156	0.75mm <sup>2</sup>	300	6
MRY	150	182	42	21	165	156	0.75mm <sup>2</sup>	300	6
MRY	200	182	42	21	165	156	0.75mm <sup>2</sup>	300	6
MRY	300	230	42	21	210	200	0.75mm <sup>2</sup>	300	6

## 特性 Feature

- 金属铝壳包封，散热性能好、适合散热板安装,可长期在恶劣环境下使用。  
Aluminum crust surface with good performance in heat radiation, suitable for cooling plate installation, can be used in the atrocious environment.
- 体积小、功率负荷大  
Small size, high power load.
- 绝缘性高，采用阻燃无机材料一体化封装，挤振性好。  
High insulating capacity, encapsulation by non-flame inorganic Material, good performance in vibration.
- 多种接线方式，便于安装  
Multi connection form will be easily to fix.
- 广泛用于电源、变频器、电梯、舞台音响及高端设备行业。  
Widely used in power supply, Transducer, Elevator, Arena audio and high requirement equipment industry.
- 精度范围: ±1%, ±2%, ±5%, ±10%。  
Resistance tolerance: ±1%, ±2%, ±5%, ±10%.

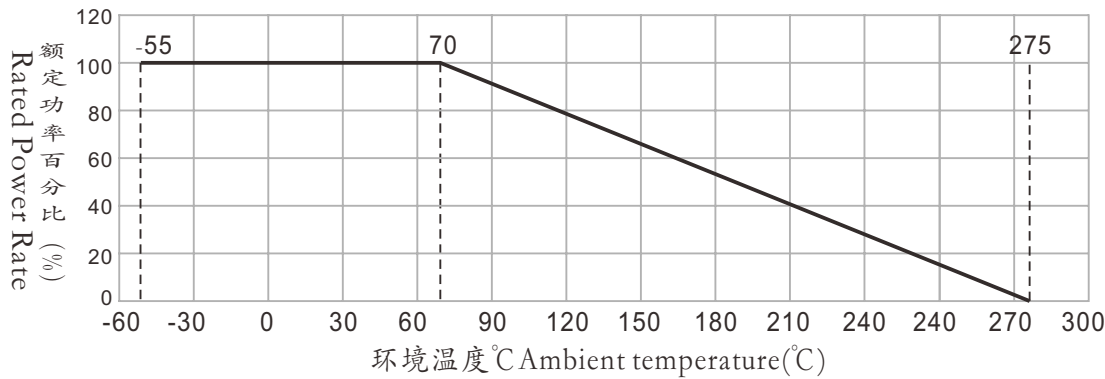
## 参考规格Reference Standards

JIS C 5201-1

## 功率、阻值范围与耐电压 Power And Resistance etc

额定功率 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	最高负荷电压 Max Overload Voltage	耐电压 Dielectric Withstanding Voltage
40	1Ω~100KΩ	F ± 1% G ± 2% J ± 5% K ± 10%	± 300PPM/°C	1000V	2000V	1500V/Ac
50	1Ω~100KΩ					
60	1Ω~100KΩ					
80	1Ω~100KΩ					
100	1Ω~100KΩ					
120	1Ω~100KΩ					
150	1Ω~100KΩ					
200	1Ω~100KΩ					
300	1Ω~100KΩ					

## 降功耗曲线 Derating Curve



## 性能 Performance

试验项目 Test Items	性能 Performance	试验方法 Test Methods(JIS C 5201-1)
温度系数 Temperature coefficient	± 300ppm/°C	在常温及常温+100°C时分别测量电阻并计算每度的阻值变化率。 Test resistance value at normal temperature and normal temperature added 100°C, calculate °C resistance value change rate.
短时间过负荷 Short time overload	$\Delta R \leq \pm (2\%R_0 + 0.05\Omega)$	施加10倍额定功率或最高负荷电压(取较小者)5秒 10X rated power or Max. overload voltage(get the lower) for 5seconds.
耐焊接热 Resistance to soldering heat	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$	在350±10°C的锡炉中浸入2~3秒。 Immerge into the 350±10°C tin stove for 2~3 seconds
耐电压 Dielectric withstanding voltage	无显著的机械损伤, 无击穿和飞弧现象	采用包箱法, 施加交流1500V的电压1分钟。
温度循环 Temperature cycle	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$	在-55°C时放置30分钟, 然后在+25°C时放置10~15分钟, 然后再在+125°C时放置30分钟, 然后再在25°C时放置10~15分钟, 共循环5次。At -55°C for 30min, then at +25°C for 10~15min, then at +125°C for 30min, then at +25°C for 10~15 min, total 5cycles.
耐湿负荷寿命 Load life in humidity	$\Delta R \leq \pm (3\%R_0 + 0.05\Omega)$	在温度为40±2°C, 相对湿度为90~95%的恒温恒湿箱中, 施加额定电压或最大工作电压(取较小者)共1000小时(通1.5小时, 断0.5小时)。Overload rated voltage or Max.working voltage(get the lower)for 1000hours(1.5hours on and half-hour off) at the 40±2°C and 90~95% relative humidity.
耐温负荷寿命 Load life in heat	$\Delta R \leq \pm (3\%R_0 + 0.05\Omega)$	在70±2°C恒温恒湿箱中施加额定电压或最大工作电压(取较小者)共1000小时(通1.5小时, 断0.5小时)。Overload rated voltage or Max.working voltage(get the lower) for 1000hours(1.5hours on and half-hour off) at the 70±2°C.
引出端强度 Terminal strength	$\Delta R \leq \pm (2\%R_0 + 0.1\Omega)$	拉力 Pull:100N
振动 Vibration	$\Delta R \leq \pm (2\%R_0 + 0.1\Omega)$	频率 Frequency:10~55Hz, 振幅 Swing:0.75mm, 测试时间 Test time:6hours
难燃性 Nonflammability	不可有明显火焰 No visible flame	分别按5、10、16倍额定功率加交流负荷5分钟。 Respectively load AC voltage by 5,10,16 times rated power for 5 minutes.

## 料号编号 ordering Information

例 example

MRY	200	F	10R0	S200	A型
型号Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	引线长度 Straight length	A型 TYPE-A B型 TYPE-B
船型铝壳电阻 Trapezoid Aluminum Shell Resistor	40:40W 60:60W 100:100W 200:200W	F ± 1% G ± 2% J ± 5% K ± 10%	R100=0.1 1R00=1 10R0=10 1000=100 1001=1K	S200:200mm Straight length	