

PHR 被漆功率瓷管电阻器 Painted High Power Ceramic Tube Resistors

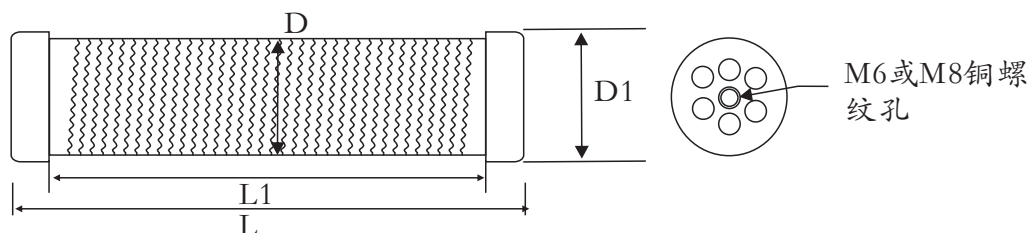


本体颜色: Body Color
 标准品: Standard (Green 绿色)
 标示: Marking
 (根据客户要求提供相应标识)
 (According to the customer request to provide corresponding identification)

● 特性 Feature

- I 绕线产品结构, 无电感, 设计耐大电流冲击。
Wire wound product structure, no inductance, designed to withstand high current impact
- II 过负荷能力强, 热稳定性好, 使用寿命长。
Good overload and heat durability capacity, the useful time is longer than the others.
- III 精度范围: $\pm 5\%$ 、 $\pm 10\%$
Resistance tolerance: $\pm 5\%$ 、 $\pm 10\%$

● 规格尺寸 Specifications and Dimensions

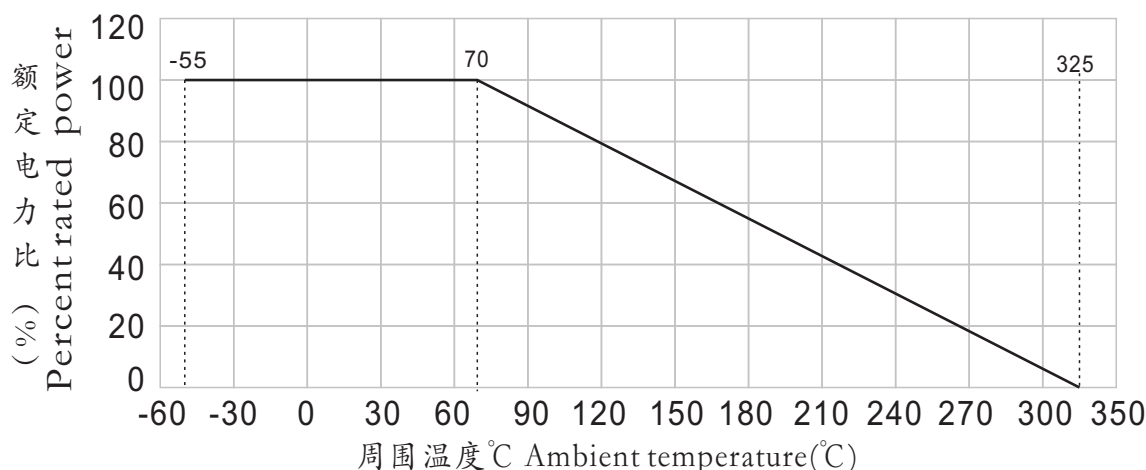


规格 Type	功率 Power	阻值范围 Resistance Range (Ω)	外形尺寸 Dimensions (mm)				引出端
			L ± 3	L1 ± 3	D ± 1	D1 ± 1	
PHR	500W	1 Ω ~100K	300	250	50	55	M6或M8 铜螺纹孔
	1000W		300	250	70	75	
	1500W		400	350	80	85	
	2000W		500	450	90	95	
	2500W		600	550	90	95	

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

规格 Type	功率 Power	阻值范围 Resistance Range (Ω)	误差值 Tolerance	温度系数 T.C.R PPM/ $^{\circ}$ C	最高使用电压 Max Working Voltage (V)	最高负荷电压 Max Overload Voltage (V)	使用温度范围 Operating Temp. Range
PHR	500W	1 Ω ~100K	J $\pm 5\%$ K $\pm 10\%$	± 350	$\sqrt{P \cdot R}$	$\sqrt{10 P \cdot R}$	$-55^{\circ}\text{C} \sim 325^{\circ}\text{C}$
	1000W						
	1500W						
	2000W						
	2500W						

● 额定温度下降曲线图 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	$\pm 350\text{PPM}/^{\circ}\text{C}$	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 $^{\circ}\text{C}$ resistance value change rate.
短时间负荷 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。 According 10 times rated power to account the 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 $350 \pm 10^{\circ}\text{C}$ 的锡炉中浸入2~3秒。 Immerse into the $350 \pm 10^{\circ}\text{C}$ tin stove for 2~3 seconds
可焊性 Solderability	焊锡面积覆盖率95%以上 Tth soldering area is over 98%	在 $245 \pm 3^{\circ}\text{C}$ 的锡炉中浸入2~3秒。 Immerse into the $245 \pm 3^{\circ}\text{C}$ tin stove for 2~3 seconds
温度循环 Temperature cycle	$\Delta R \leq \pm(2\%R_0 + 0.05\Omega)$	在 -55°C 时放置30分钟,然后在 $+25^{\circ}\text{C}$ 时放置10~15分钟,然后再在 $+155^{\circ}\text{C}$ 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 $+25^{\circ}\text{C}$ for 10~15min, then at $+155^{\circ}\text{C}$ for 30min, then at $+25^{\circ}\text{C}$ for 10~15 min, total 5cycles.
耐湿负荷寿命 Load life in humidity	$\Delta R \leq \pm(5\%R_0 + 0.1\Omega)$	在温度为 $40 \pm 2^{\circ}\text{C}$,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 $40 \pm 2^{\circ}\text{C}$ and 90~95% relative humidity.
耐温负荷寿命 Load life in heat	$\Delta R \leq \pm(5\%R_0 + 0.05\Omega)$	在 $70 \pm 2^{\circ}\text{C}$ 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 $70 \pm 2^{\circ}\text{C}$.
不燃性 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

PHR	1000	J	10R00	M6
产品名称 Product Name	功率 Power	精度 Tol	阻值 Ohm	引出端
被漆功率瓷管电阻器 Painted High Power Ceramic Tube Resistors	500=500W 1000=1000W 1500=1500W 2000=2000W 2500=2500W	J= $\pm 5\%$ K= $\pm 10\%$	1R00=1Ω 10R00=10Ω 10K00=10KΩ 100K00=100KΩ	M6=M6 M8=M8