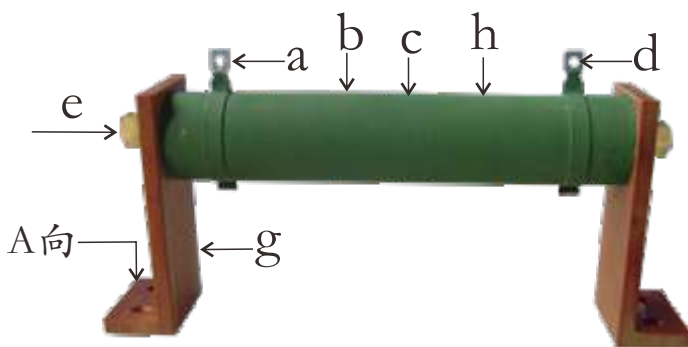


PUV 被漆功率瓷管电阻器 Painted High Power Ceramic Tube Resistors



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)

● 结构图 Construction



ad	接线端子	Terminal block
b	环氧树脂绝缘层	Epoxy resin insulating layer
c	合金丝	Alloy wire
e	环氧螺杆	Epoxy resin screw
g	环氧支架	Epoxy resin support
h	高铝瓷管	Alumina porcelain

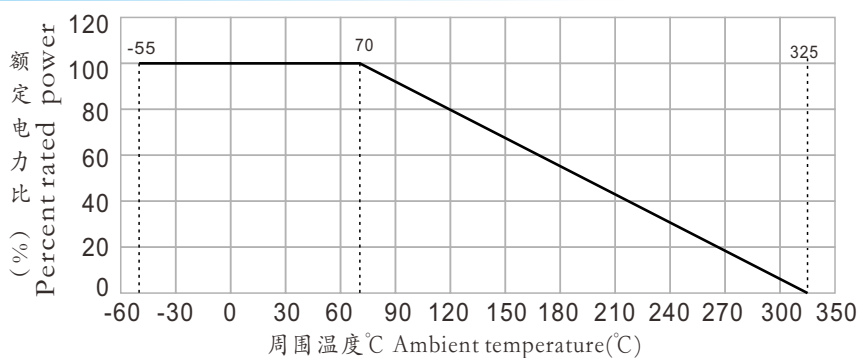
● 特性 Feature

- I 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.
- II 精度范围: $\pm 5\%$ 、 $\pm 10\%$
 Resistance tolerance: $\pm 5\%$ 、 $\pm 10\%$
- III 适用于高压环境中使用
 Used in high voltage environment

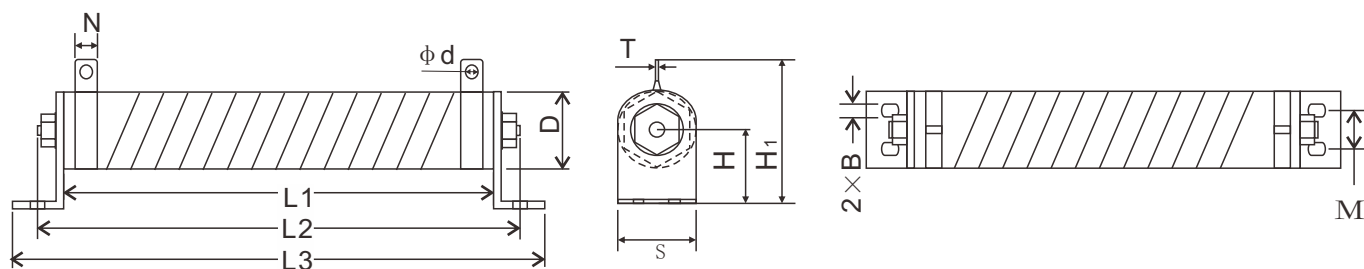
● 参考规格 Reference Standards

JIS C 5201-1

● 额定温度下降曲线图 Derating Curve



规格尺寸 Specifications and Dimensions



规格 Type	功率 Power	外形尺寸 Dimensions (mm)											
		$L_1 \pm 2$	$L_2 \pm 5$	$L_3 \pm 3$	$D \pm 2$	$B \pm 1$	M	$H \pm 1$	$H_1 \pm 3$	$S \pm 2$	$N \pm 2$	$\phi d \pm 1$	$T \pm 0.5$
PUV	1000W	410	485	500	60	10	30	90	280	80	11	5.0	2.0
PUV	2000W	500	525	580	100	10	60	100	300	100	11	8.5	2.0
PUV	2500W	500	525	580	100	10	75	100	300	100	11	8.5	2.0
PUV	3000W	500	525	580	100	10	75	130	300	100	11	8.5	2.0
PUV	4000W	500	525	580	150	10	75	130	330	150	20	8.5	2.0
PUV	5000W	500	525	580	150	10	75	130	330	150	20	8.5	2.0
PUV	6000W	500	525	580	150	10	75	130	330	150	20	8.5	2.0
PUV	8000W	900	925	980	150	10	75	130	330	150	20	8.5	2.0
PUV	10000W	900	925	980	150	10	75	130	330	150	20	8.5	2.0
PUV	12000W	900	925	980	150	10	75	130	330	150	20	8.5	2.0

备注:具体规格尺寸可以根据客户的需求制作,同时也可以制作一管多个阻值,也可按客户要求取消固定支架。

Note: We can according customer requirements to customize the specification and dimension, also can product multiple resistance value of one ceramic tube or cancel the fixed plank.

可协议生产2500W~15000W电阻。Our factory can also produce 2500W~15000W non-standard resistors according to the requirement

功率、阻值范围与耐电压 Power And Resistance etc

规格 Type	功率 Power (W)	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
PUV	1000W	2K Ω -200K Ω	J \pm 5% K \pm 10%	\pm 350	$\sqrt{P \cdot R}$	$2.5\sqrt{P \cdot R}$	-55° C ~ 325° C
PUV	2000W	2K Ω -200K Ω					
PUV	2500W	2K Ω -200K Ω					
PUV	3000W	2K Ω -300K Ω					
PUV	4000W	2K Ω -400K Ω					
PUV	5000W	2K Ω -400K Ω					
PUV	6000W	2K Ω -1M Ω					
PUV	8000W	2K Ω -1M Ω					
PUV	10000W	2K Ω -1M Ω					
PUV	12000W	2K Ω -1M Ω					

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℃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℃, 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±10℃的锡炉中浸入2~3秒。 Immerge into the 350±10℃ tin stove for 2~3 seconds
可焊性 Solderability	焊锡面积覆盖率95%以上 The soldering area is over 98%	在245±3℃的锡炉中浸入2~3秒。 Immerge into the 245±3℃ tin stove for 2~3 seconds
温度循环 Temperature cycle	$\Delta R \leq \pm (2\%R_0 + 0.05\Omega)$	在-55℃时放置30分钟,然后在+25℃时放置10~15分钟,然后再在+155℃时放置30分钟,然后在25℃时放置10~15分钟,共循环5次。At-55℃ for 30min, then at +25℃ for 10~15min, then at +155℃ for 30min, then at +25℃ for 10~5, 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±2℃,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℃ 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±2℃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℃.
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

PUV	1000B	J	10R00	A
产品名称 Product Name	功率 Power	精度 Tolerance	阻值 Resistance	特殊码 Special code
被漆功率瓷管电阻器 Painted High Power Ceramic Tube Resistors	1000B=1000W 2000B=2000W 12000B=112000W	J=±5% K=±10%	0R100=0.1Ω 0R200=0.2Ω 10R00=10Ω 10K00=10KΩ	A1不带支架 A1 Without brackets A2带支架 A2 With brackets