

PCR3 预充电阻

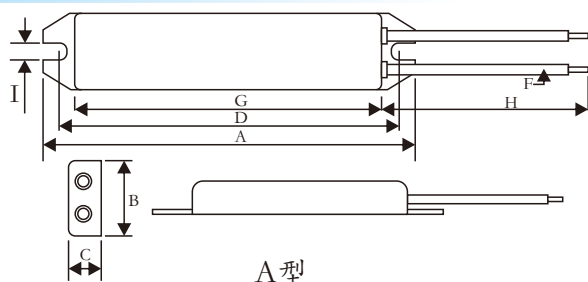


本体颜色: Body Color
标准品: Standard(Silver 银色)
标示: Marking
文字: Alphanumeric
(根据客户要求提供相应标识)
(According to the customer request to provide corresponding identification)

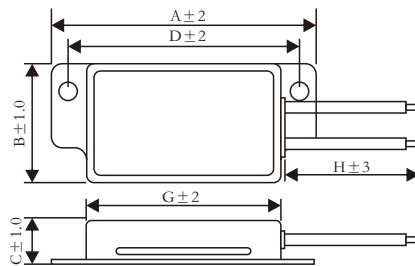
● 特性 Feature

- 1、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.
- 2、体积小、功率负荷大
Small size, high power load.
- 3、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.
- 4、多种接线方式, 便于安装
Multi connection form will be easily to fix.
- 5、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.
- 6、精度范围: $\pm 1\%$, $\pm 2\%$, $\pm 5\%$, $\pm 10\%$ 。
Resistance tolerance: $\pm 1\%$, $\pm 2\%$, $\pm 5\%$, $\pm 10\%$.

● 外形尺寸 Dimensions



A型



B型

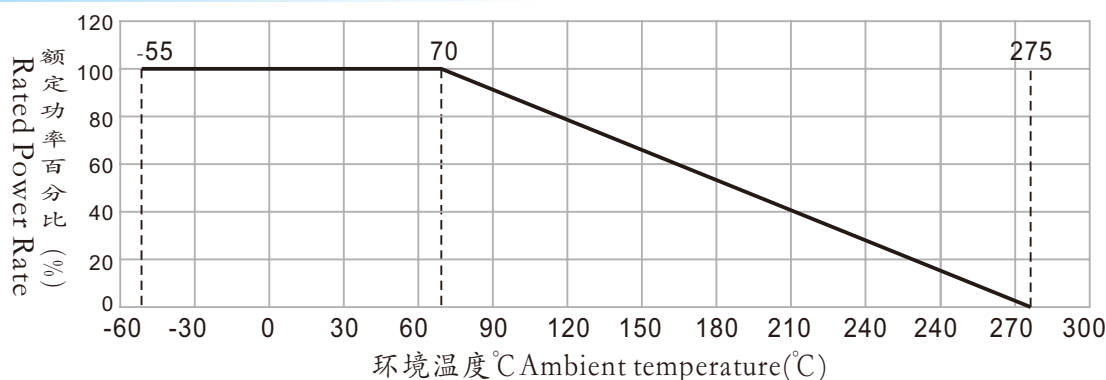
规格 Type	功率 Power (W)	尺寸Dimensions(mm)							
		A ± 2	B ± 1	C ± 1	D ± 2	G ± 2	F	H	I ± 0.5
PCR3	40	80	36	13	70	60	0.75mm ²	300	5
PCR3	50	100	30	13	90	75	0.75mm ²	300	5
PCR3	60	100	30	13	90	75	0.75mm ²	300	5
PCR3	80	150	35	21	140	125	0.75mm ²	300	6
PCR3	100	130	42	21	118	108	0.75mm ²	300	6
PCR3	120	182	42	21	165	156	0.75mm ²	300	6
PCR3	150	182	42	21	165	156	0.75mm ²	300	6
PCR3	200	182	42	21	165	156	0.75mm ²	300	6
PCR3	300	230	42	21	210	200	0.75mm ²	300	6

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● 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	1 Ω ~100K Ω	F $\pm 1\%$ G $\pm 2\%$ J $\pm 5\%$ K $\pm 10\%$	$\pm 300\text{PPM}/^{\circ}\text{C}$	1000V	2000V	1500V/Ac
50	1 Ω ~100K Ω					
60	1 Ω ~100K Ω					
80	1 Ω ~100K Ω					
100	1 Ω ~100K Ω					
120	1 Ω ~100K Ω					
150	1 Ω ~100K Ω					
200	1 Ω ~100K Ω					
300	1 Ω ~100K Ω					

● 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	$\pm 300\text{ppm}/^{\circ}\text{C}$	在常温及常温+100 $^{\circ}\text{C}$ 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 $^{\circ}\text{C}$, calculate $^{\circ}\text{C}$ 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 $\pm 10^{\circ}\text{C}$ 的锡炉中浸入2~3秒。 Immerge into the 350 $\pm 10^{\circ}\text{C}$ 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	采用包箔法, 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 $^{\circ}\text{C}$ 时放置30分钟, 然后在+25 $^{\circ}\text{C}$ 时放置10~15分钟, 然后再在+125 $^{\circ}\text{C}$ 时放置30分钟, 然后再在25 $^{\circ}\text{C}$ 时放置10~15分钟, 共循环5次。At -55 $^{\circ}\text{C}$ for 30min, then at +25 $^{\circ}\text{C}$ for 10~15min, then at +125 $^{\circ}\text{C}$ for 30min, then at +25 $^{\circ}\text{C}$ for 10~15 min, total 5cycles.
耐湿负荷寿命 Load life in humidity	$\Delta R \leq \pm (3\%R_0 + 0.05\Omega)$	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	$\Delta R \leq \pm (3\%R_0 + 0.05\Omega)$	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 $\pm 2^{\circ}\text{C}$.
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.

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● 料号编号 ordering Information

例 example

PCR3	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
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	B 型 TYPE-B