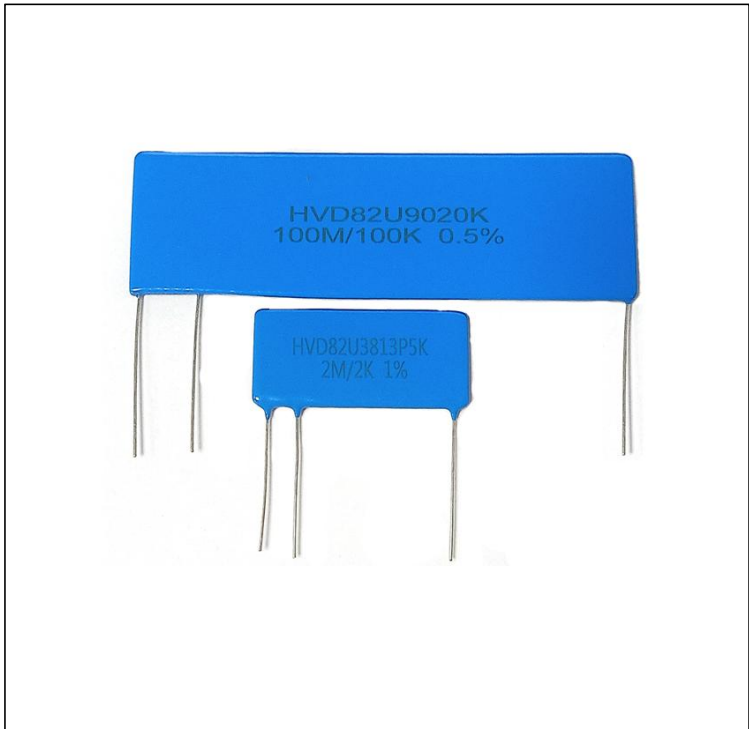




HVD82 厚膜无感高压电阻器 HVD82 thick film non inductive high voltage resistor

1、HVD82 系列是一个三引出端的片式分压网络，其分压比为 $(R1+R2)/R2$ 。（分压比可按客户要求定做，如 1000 :1、 100:1 等。）

The HVD82 series is a three-terminal chip partial voltage network with a partial voltage ratio of $(R1+R2)/R2$. (Partial pressure ratio can be customized according to customer requirements, such as 1000:1, 100:1, etc.)

2、片式（厚膜，无感设计）高压分压电阻器，采用 96% 含量的陶瓷基片

Chip type (thick film, non-inductive design) high pressure divider resistor, using 96% ceramic substrate

适用范围 (Scope of application)

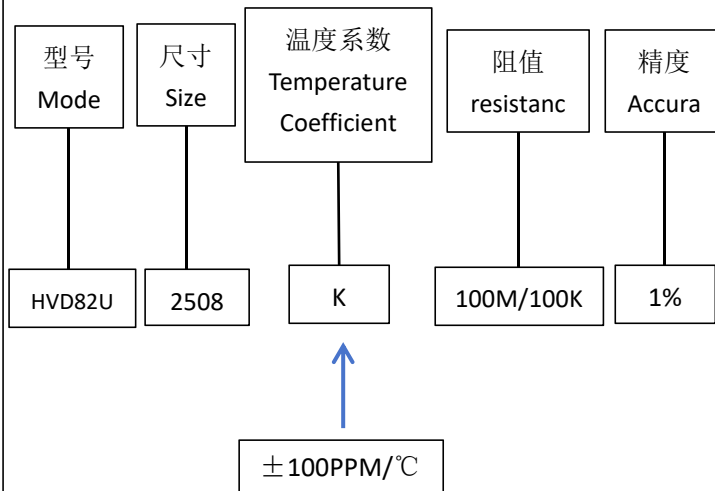
有高压和脉冲、浪涌的电路中都适用，使用场合相当广泛，如行波管电源、雷达系统、X射线系统、分析设备和高分辨率CRT显示器等。

The circuit with high pressure and pulse impulse and surge are suitable for use, so that the field combination should be widely used, such as traveling wave tube power source, radar system, X-ray system, analysis equipment and high resolution CRT display device.

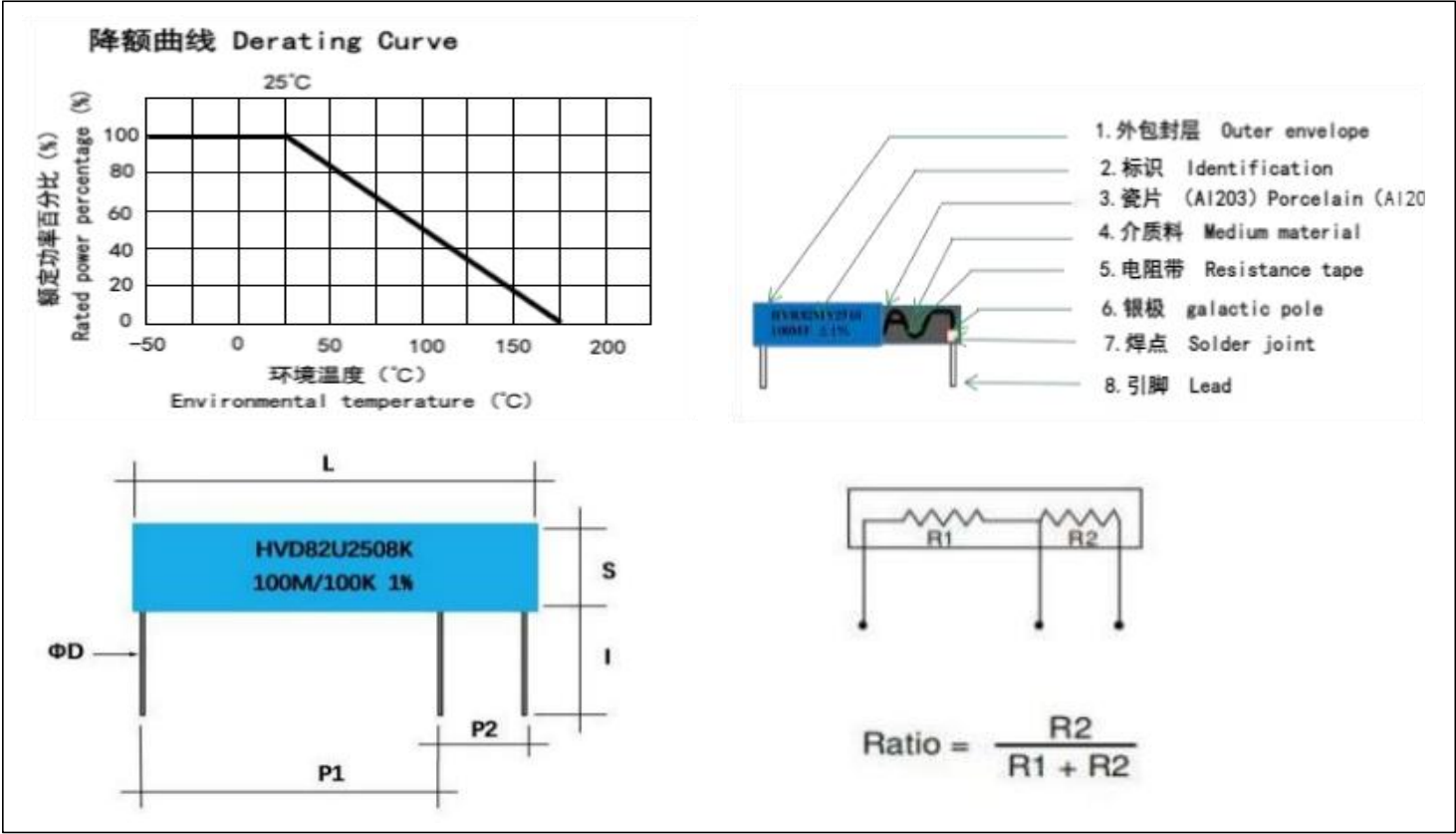
性能指标 Performance Parameters

测试项目 Test item	性能指标 Performance index
绝对精度 Absolute accuracy	对于所有阻值 $\pm 1.0\%$ For all resistance values $\pm 1.0\%$
工作环境温度 Operating ambient temperature	$-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$
过载特性 Overload characteristic	1.5 倍的额定电压，5 秒， $\Delta R \leq \pm 0.5\%R$ 。 1.5 times rated voltage, 5 seconds, $\Delta R \leq \pm 0.5\%R$
绝对温度系数 Absolute temperature coefficient	$\pm 100\text{PPM}/^{\circ}\text{C}$ ($25^{\circ}\text{C} \sim 85^{\circ}\text{C}$) 其他温度系数要求可协商供货 $\pm 100\text{PPM}/^{\circ}\text{C}$ ($25^{\circ}\text{C} \sim 85^{\circ}\text{C}$) Other temperature coefficient requirements can be negotiated supply
相对温度系数 Relative temperature	$50\text{PPM}/^{\circ}\text{C}$ (根据要求可达 $15\text{PPM}/^{\circ}\text{C}$) $50\text{PPM}/^{\circ}\text{C}$ (up to $15\text{PPM}/^{\circ}\text{C}$ upon request)
功率耐久性 Power durability	额定电压下 1000 小时， $\Delta R \leq \pm 0.4\%R$ 。 At 1000 hours of rated voltage, $\Delta R \leq \pm 0.4\%R$.
耐湿特性 Moisture resistance	MIL-Std-202, 方法 106， $\Delta R \leq \pm 0.5\%R$ MIL-Std-202, Method 106, $\Delta R \leq \pm 0.5\%R$
绝缘电阻 Insulation resistance	$> 1000\text{M}$

订货示例 (Order Example)



规格参数 Specifications



型号 model	功率(W) power	最大工作电压(KV) Maximum working voltage	尺寸 (mm) dimensions					
			L±2	S±2	P1±0.5	P2±0.5	I±5	D±0.2
HVD82U								
2508	0.3	5	25.4	7.62	17.78	5.08	20	0.55
2513	0.5	7	25.4	12.7	17.78	5.08	20	0.55
3813P5	1.5	10	38.1	12.7	27.94	5.08	20	0.55
3813P7	1.5	10	38.1	12.7	27.94	7.62	20	0.55
5113	2.5	12	50.8	12.7	38.1	10.16	20	0.75
7615	3.5	15	76.2	15.24	63.5	10.16	20	0.75
10215	4.5	20	101.6	15.24	88.9	10.16	20	0.75
9020	5	18	90	20	76.9	10.16	20	0.75
12220	5.5	25	122	20	111.3	5.6	20	0.75

- 1、各种尺寸、规格，电阻值可接受定制 Various sizes, specifications, and resistance values can be customized
- 2、额定功率将受到工作电压的影响。 The rated power will be affected by the operating voltage