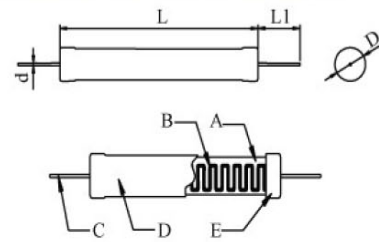


●特点 Features:

- 1、电阻本体之皮膜镀层极厚，具有高耐冲击性及高稳定性。
Thick filming resulted in high surge-resist & stability.
- 2、使用环境温度 Operating ambient temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ 。
- 3、阻值高,工作电压大 High resistance value and working voltage。
- 4、高频特性好 Good high-frequency performance。
- 5、阻值误差 Resistance tolerance: $\pm 5\%$ 、 $\pm 10\%$ 。

●产品结构图 Construction Drawing:



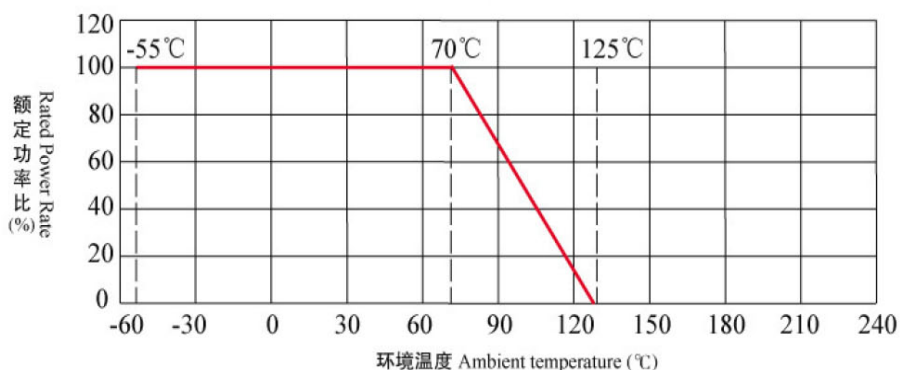
- A、陶瓷基体 Ceramic core
B、玻璃釉质电阻膜层 Glazed resistive film
C、镀锡铜线或螺杆 Tinned copper lead wire or screw
D、保护膜 Protective coating
E、铁帽 Iron Cap

●规格尺寸及耐压性能 Dimensions and Voltage Performance:

料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions(mm)				最大工作电压 Max. working voltage	最高绝缘电压 Max. insulation voltage
			L(max.)	D(max.)	d ± 0.05	L1 ± 3		
HVG012	1/2W	1M~1000M	28.0	6.0	0.8	30.0	8KV	8KV
HVG01B	1W	100K~1000M	30.0	9.0	1.0	30.0	10KV	10KV
HVG02B	3W	100K~2000M	50.0	9.0	1.0	30.0	15KV	15KV
HVG03B	3W	100K~2000M	50.0	9.0	1.0	30.0	15KV	15KV
HVG05B	5W	100K~2000M	70.0	11.0	1.0	30.0	20KV	20KV
HVG08B	8W	100K~2000M	100.0	11.0	1.0	30.0	25KV	25KV
HVG10B	10W	1M~2000M	147.0	11.0	M4	6.0	35KV	35KV
HVG20B	20W	100K~100M	120.0	18.0	M5	10.0	30KV	30KV
HVG30B	30W	100K~100M	120.0	20.0	M5	10.0	30KV	30KV
HVG50B	50W	100K~100M	120.0	22.0	M6	10.0	30KV	30KV
HVG80B	80W	100K~51M	135.0	28.0	M8	10.0	30KV	30KV
HVG100	100W	100K~51M	170.0	28.0	M8	10.0	35KV	35KV
HVG200	200W	100K~51M	320.0	33.0	M10	10.0	80KV	80KV

备注Note: 螺杆型号 (Screw spec.) 为 M4、M5、M6、M8、M10。

● 额定功率递减图 Rated Power Derating Curve:



● 性能测试 Performance Test:

测试项目 Test Item	测试条件 Test Condition	性能 Performance
温度系数 Temperature coefficient	在常温及常温+100℃时分别测量电阻值并计算每度的阻值变化率。Test the resistance value at normal temperature and normal temperature added 100℃, calculate per °C resistance value change rate.	±400ppm/°C
短时间过负荷 Short time overload	施加2.5倍额定电压或最高负荷电压(取较小者)5秒。 2.5 × rated voltage or Max. overload voltage (get the lower) for 5 seconds.	$\Delta R \leq \pm (2\%R_0 + 0.05\Omega)$
断续过负荷 Pulse overload	4倍额定电压或最高断续负荷电压(取较小者)测试1秒,停止25秒,循环10000 ± 200 次。At 4× rated voltage or Max. pulse overload voltage (get the Lower) cycle 10000±200 times (1 second on,25 seconds off)。	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$
耐焊接热 Resistance to soldering heat	在350 ± 10℃的锡炉中浸入2 ~ 3秒。 Immerge into the 350±10℃ tin stove for 2~3 seconds.	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$
可焊性 Solderability	在245 ± 3℃锡炉中浸入2 ~ 3秒。 Immerge into the 245 ± 3℃ tin stove for 2~3 seconds.	焊锡面积覆盖率95%以上 The soldering area is over 95%
温度循环 Temperature cycling	在-55℃时放置30分钟,然后在+25℃时放置10~15分钟,然后再在+125℃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 30 min, then at +25℃ for 10~15 min, then at +125℃ for 30 min, then at +25℃ for 10~15 min, total 5 cycles.	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$
耐湿负荷寿命 Load life in humidity	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 1000 hours (1.5 hours on and half-hour off) at the 40±2℃ and 90~95% relative humidity.	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$
耐温负荷寿命 Load life in heat	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)1000小时(通1.5小时,断0.5小时)。Overload rated voltage or Max. working voltage (get the lower) for 1000 hours (1.5 hours on and half-hour off) at the 70 ± 2℃.	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$
难燃性 Nonflammability	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 mminutes.	不可有明显火焰 No visible flame

● 料号规则 Part No. Regulation:

HVG	01B	J	0	B001	100K0
产品名称 Product Name	功率 Power	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
高压玻璃釉电阻器 High Voltage Glaze Resistors	012 = 1/2W 01B = 1W 02B = 2W 10B = 10W 100 = 100W 200 = 200W	J = ± 5% K = ± 10%		B001 = B	100K0 = 100KΩ 1M000 = 1MΩ 39M00 = 39MΩ 100M0 = 100MΩ