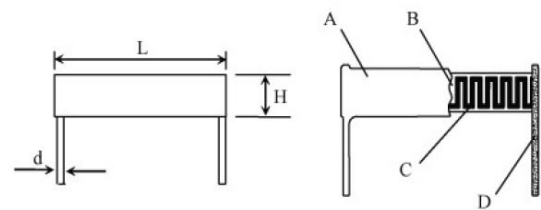


●特点 Features:

- 1、电阻皮膜镀层厚，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、可制作极高之阻值 High resistance value.
- 4、耐湿性能优，温度系数低 High humidity resistance and low T.C.R.。
- 5、表面涂绿色不燃性面漆 The resistors surface is green nonflammable coating.
- 6、阻值误差 Resistance tolerance: $\pm 5\%$ 、 $\pm 10\%$ 。

●产品结构图 Construction Drawing:

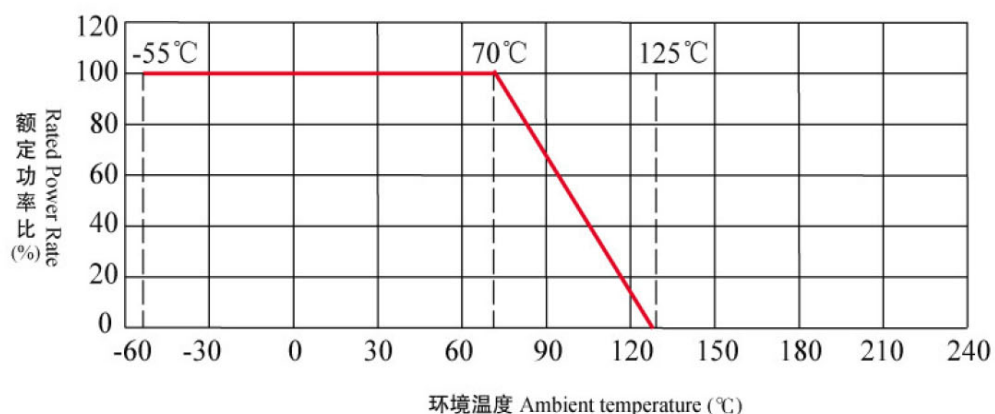


- A、保护膜 Protective coating
B、陶瓷基体 Ceramic core
C、玻璃釉质电阻膜层 Glaze resistive film
D、镀锡铜线 Tinned copper lead wire

●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	最大负荷电压 Max. overload voltage	最高脉冲电压 Max. Pulse voltage	最高绝缘电压 Max. insulation voltage
			$L \pm 1$	$D \pm 0.5$	$d \pm 0.05$				
FVR01B	1W	10R~50M	20.0	10.0	0.8	500V	1000V	1000V	750V
FVR02B	2W	10R~100M	30.0	10.0	0.8	1000V	2000V	2000V	1500V
FVR05B	5W	10R~1G	50.0	20.0	1.0	2000V	5000V	5000V	3000V
FVR10B	10W	10R~1G	80.0	20.0	1.0	4000V	8000V	8000V	6000V

●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.	±500ppm/°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℃.	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$
尖峰脉冲耐压 Aiguille overload	施加直流电压 over load 5~9KV DC Voltage. 2.5秒通2.5 seconds power on; 2.5秒断2.5 seconds power off; 10个周期10 cycles.	$\Delta R \leq \pm 10\%R_0$ 无可见机械损伤 No mechanical damage
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 minutes.	不可有明显火焰 No visible flame

●料号规则 Part No. Regulation:

FVR	01B	J	0	H025	100K0
产品名称 Product Name	功率 Power	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
片式高压电阻器 Flat High Voltage Resistors	01B = 1W 02B = 2W 05B = 5W 10B = 10W	J = ±5% K = ±10%		H025 = H-0.78	100K0 = 100KΩ 1M000 = 1MΩ 39M00 = 39MΩ 100M0 = 100MΩ