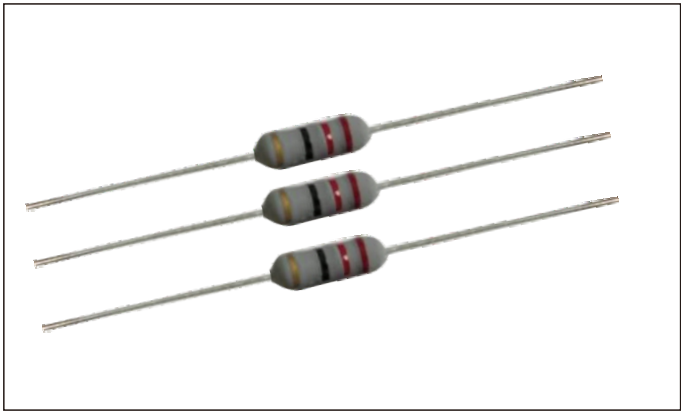


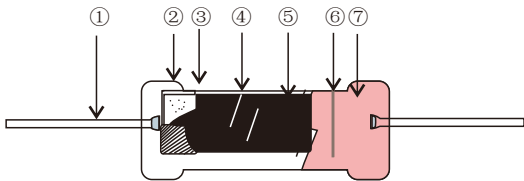


涂料颜色：Coating Color
标准品：Standard Type(灰色G ray)
标示：Marking
色环：Color Code
文字：Alphanumeric(1/4W~1W)
(根据客户要求提供相应标识)
(Can provide corresponding identification according to the customer request)

● 特性 Feature

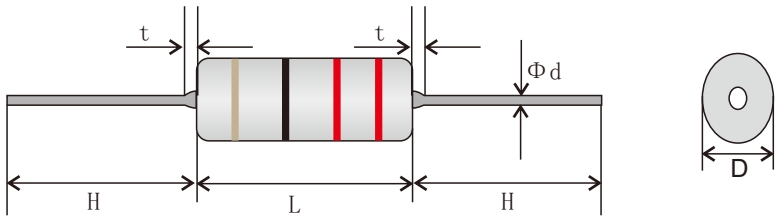
- (1)使用不燃性涂料，具有不燃性与绝缘之安全特性（UL94 V-0） Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base.(Equivalent to UL94 V-0)
- (2)产品符合欧盟RoHS要求。 Products meet EU-RoHS requirements.

● 结构图 Construction



1	2	3	4	5	6	7
端子线	线帽	瓷棒	切割线	金属釉皮膜	标示	绝缘涂料
lead wire	cap	ceramic base	Helical cutting groove	Metal glaze film	marking or color code	insulation coat

● 外形尺寸 Dimensions



型号 Type	功率阻值Rated Power (W)	尺寸范围Dimensions(mm)				
		L	t Max	D(Max)	Φd	H
MVR 25	1/4W	6.0±0.3	2.0	2.5	0.6±0.05	28±2
MVR 50	1/2W	8.5±0.5	2.5	4.0	0.7±0.05	30±2
MVR 100	1W	17.0±1.0	2.5	6.5	0.8±0.05	38±3

● 功率、阻值范围与耐电压Power And Resistance etc

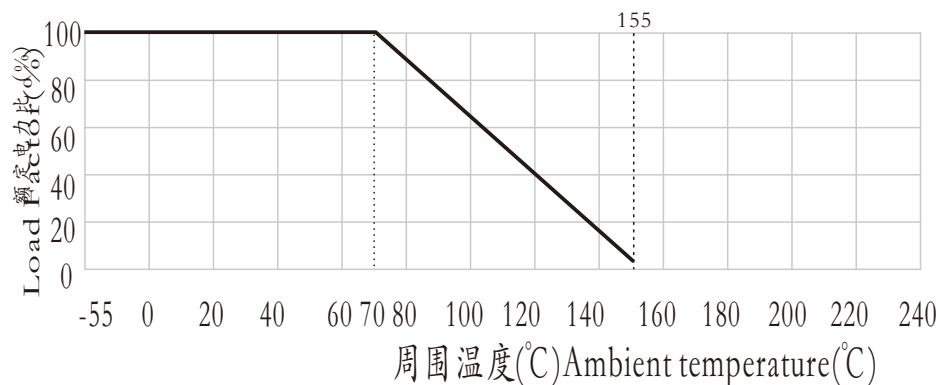
型号 Type	功率 Rated Power(W)	阻值范围Resistance Range(Ω)			最高使用电压Max Working Voltage	最高过负荷电压The highest load voltage	耐电压Dielectric Withstanding Voltage	温度系数 T.C.R
		F±1% (E96)	G±2% (E24)	J±5% (E24)				
MVR 25	1/4W	10K~≤100M			1000V	1600V	700V	F±1% ±100PPM/℃ G±2%、J±5% ±200PPM/℃
MVR50	1/2W				1500V	3500V		
MVR100	1W				2000V	10000V		

● 参考规格 Reference Standards

JIS C 5201-1

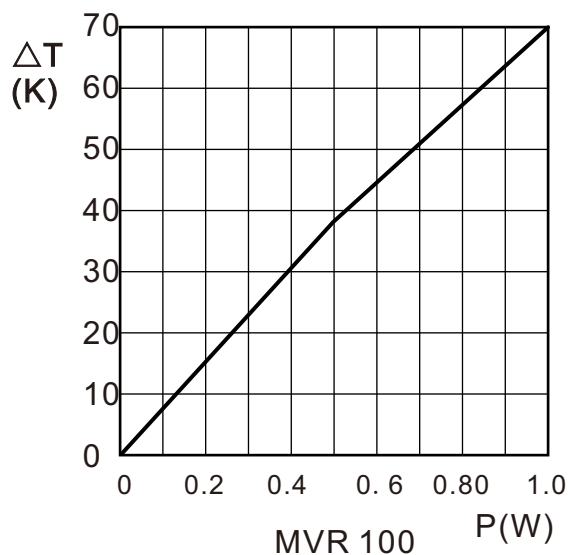
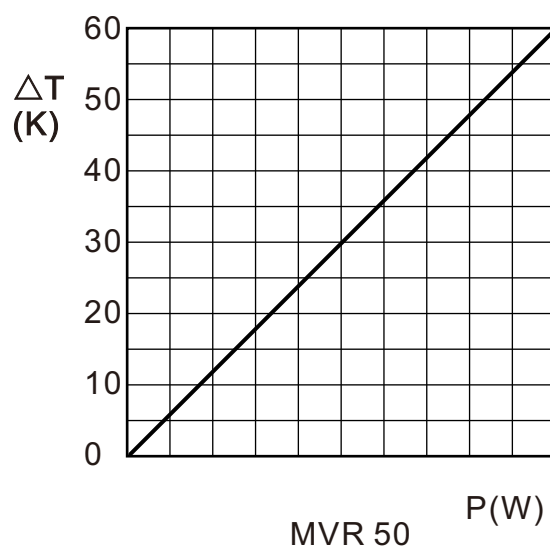
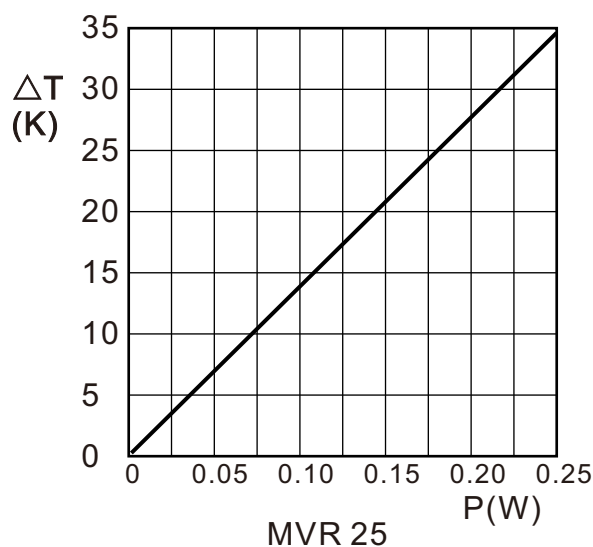
● 额定温度下降曲线图 Derating Curve

例 Example

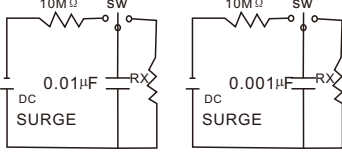


● 温度曲线图

Hot-Spot Temperature Rise (ΔT) as a Function of Dissipated Power



● 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	规格值 试验方法
电阻值 Resistance	规定的误差值内 Within specified tolerance	Test Methods(JIS C 5201-1) 测量点从端盖10mm
温度系数 T.C.R.	$\leq \pm 200\text{ppm}/^{\circ}\text{C}$	Measuring points are 10mm from the end cap 室温+100 $^{\circ}\text{C}$ Room temperature+100 $^{\circ}\text{C}$
短时间过负荷 Short time overload	$\pm (1\%+0.05\Omega)$	6.25倍额定功率, 5秒 6.25times the rated power for 5 seconds
负荷寿命 Load life	$\pm (1.5\%+0.1\Omega)$	Rated voltage at 70 $^{\circ}\text{C}$ for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	$\pm (5\%+0.1\Omega)$	额定电压40 $^{\circ}\text{C}$, 95% RH, 1000小时 Rated voltage at 40 $^{\circ}\text{C}$, 95%RH for 1,000 hours
耐湿性 Moisture resistance	$\pm (1\%+0.05\Omega)$	40 $^{\circ}\text{C}$, 95% RH, 240小时 40 $^{\circ}\text{C}$, 95%RH for 240 hours
温度循环 Temperature cycle	$\pm (1\%+0.05\Omega)$	5 cycles for -25 $^{\circ}\text{C}$ (30min); room temp. (30min) ~+85 $^{\circ}\text{C}$ (30min) room temp. (30min)
断续过负荷 Intermittent overload	$\pm (5\%+0.1\Omega)$	Applicable more than 100 Ω ; Rated voltage*3 1s ON/25s OFF, 10,000 cycles
焊锡耐热 Resistance to soldering heat	$\pm (1\%+0.05\Omega)$	260 $^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 10 seconds(焊锡槽) 350 $^{\circ}\text{C} \pm 10^{\circ}\text{C}$ for 3.5 seconds(手焊锡)
绝缘电阻 Insulation resistance	$\pm (1\%+0.05\Omega)$	500V绝缘测试1分钟 500V insulation test 1min.
不燃性 Flameproof	无燃烧现象 No evidence of flaming or arcing	AC voltage of 2,4,8,16,32 times the power rating for 1min. ($V \leq 4$ times max. working voltage)
脉冲测试 Pulse withstanding voltage		The following discharge cycle is repeated in the circuit of the left fig. 2.5 sec.ON 2.5 sec.OFF 50 cycles. With following DC pulse test voltage. Pulse voltage: $1/4\text{W}:(3\text{KV}). \geq 1/4\text{W} < 100\text{K}:(3\text{KV})//100\text{K} \sim 620\text{K}:(5\text{KV}) > 620\text{K}:(10\text{KV})$ UL-0.01μF Non-UL 0.001μF

● 料号编号 Ordering Information

例 example

MVR	25	J	1005	A520	NL
型号 Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	二次加工 Forming	端子线 Lead Wire
MVR:Standard	25:1/4W 50:1/2W 100:1W	F $\pm 1\%$ G $\pm 2\%$ J $\pm 5\%$	10R0=10 1000=100 1001=1K 1002=10K 1003=100K		电镀线 Electro plated