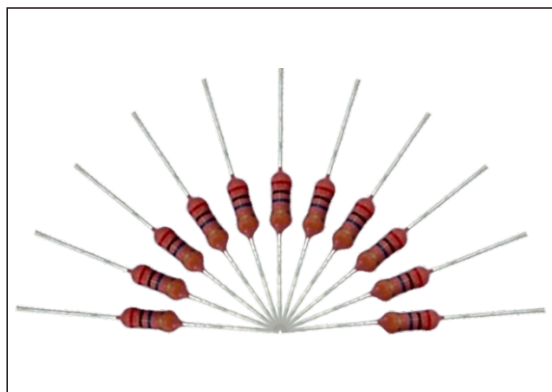




● 特性 Feature

- I 表面涂不燃性涂料，具不燃与绝缘之安全特性 (UL94V-0)
Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base.(Eqyuvakebt to UL94V-0)
- II 小型化能高密度插装
Small size are good for high density application
- III 超低电感量(50nH—1uH)
Low inductance value(50nH—1uH)
- IV 产品符合欧盟RoHS要求
Products meet Eu-RoHS.

本体颜色: Body Color

标准品:Standard(Gray 灰色)

小型品:Small Type(Pink 粉红色)

超小型品:Super Small Type(Pink)

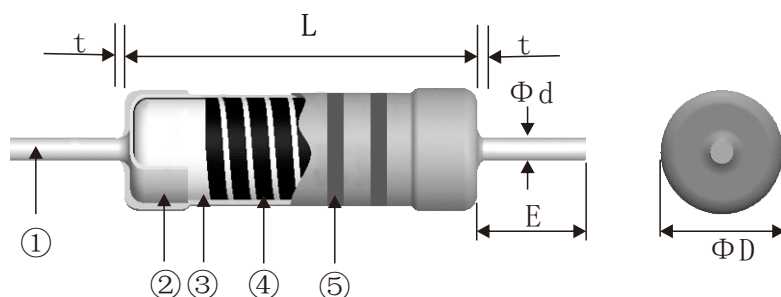
标示:Marking

色环:Color Code

(根据客户要求提供相应标识)

(According to the customer request to provide corresponding identification)

● 结构图 Construction



①	②	③	④	⑤
端子线	瓷棒	铁帽	导电膜	色环
Lead wire	Ceramic base	Cap	Conductive film	Marking color code

● 尺寸 Dimensions

额定功率(W) Reted power	尺寸Dimensions(mm)					重量(g) Weight 1000pcs
	L	ΦD	t Max	Φ d	E	
1/4W,1/2WS	6±0.3	2.4±0.1	1.5	0.6±0.5	28±2	210
1/2W,1WS	9±0.5	3.3±0.5	1.5		28±3	285
1W,2WS	12±1	4.5±0.5	2.5	0.8±0.5	38±3	728
2W,3WS	16±1	5.5±1.0	2.5			1380
3W,5WS	18±1	6.0±1.0	2.5			1780
5W,7WS	25±1	8.5±0.5	2.5			3768
7W	25±1	8.5±0.5	2.5			3768

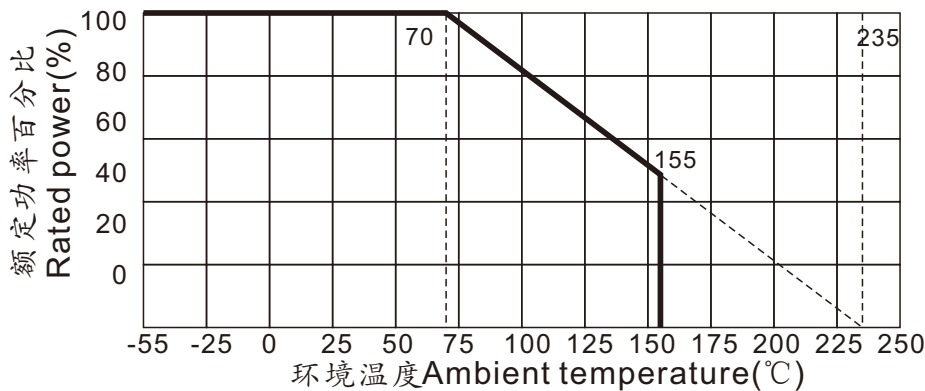
● 参考规格Reference Standards

JIS C 5201-1

● 功率、阻值范围与耐电压 Power、Resistance And Etc.

额定功率(W) Reted Power	阻值范围 Resistance Range(Ω)	最高使用电压 Max working Voltage(V)	耐电压 Dielectric Withstanding Voltage(V)	温度系数 T.C.R (PPM/ $^{\circ}$ C)	包装Taping/ Ammo pack (pcs)						
1/4W,1/2WS	2 Ω —12M	750V	500V	$\leq 300\Omega$: ± 350 PPM/ $^{\circ}$ C	5000	2500	/	2000	/		
1/2W,1WS					/	2000	/	1000	1000		
1W,2WS					/	1000	1000	1000	1000		
2W,3WS	2 Ω —14M	1000V		$> 300\Omega$: ± 200 PPM/ $^{\circ}$ C	/	500	500	1000	1000		
3W,5WS					/	/	/	/	/		
5W,7WS	2 Ω —1M	1500V			/	/	/	/	/		
7W					/	/	/	/	/		

● 额定温度下降曲线图 Derating Curve



● 性能Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods(JIS C 5201-1)
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R	室温+100 $^{\circ}$ C Room temperature+100 $^{\circ}$ C
短时间过负荷 Short time overload	$\pm (1\%R+0.05\Omega)$	4倍额定功率, 5秒 4 times the rated power for 5 seconds
负荷寿命 Load life	$\pm (5\%R+0.1\Omega)$	Rated voltage at 70 $^{\circ}$ C for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	$\pm (5\%R+0.1\Omega)$	额定电压40 $^{\circ}$ C, 95% RH, 1000小时 Rated voltage at 40 $^{\circ}$ C, 95%RH for 1,000 hours
耐湿性 Moisture resistance	$\pm (1\%R+0.05\Omega)$	40 $^{\circ}$ C, 95% RH, 240小时 40 $^{\circ}$ C, 95%RH for 240 hours
温度循环 Temperature cycle	$\pm (1\%R+0.05\Omega)$	5 cycles for -25 $^{\circ}$ C (30min); room temp.(30min) ~+85 $^{\circ}$ C (30min) room temp.(30min)
焊锡效果 Solderability	95%(min)coverage	Temp. of solder 245 $^{\circ}$ C $\pm 5^{\circ}$ C duration of immersion 3s ± 0.5 s
焊锡耐热 Resistance to soldering heat	$\pm (1\%R+0.05\Omega)$	260 $^{\circ}$ C $\pm 5^{\circ}$ C for 10 seconds(焊锡槽) 350 $^{\circ}$ C $\pm 10^{\circ}$ C for 3.5 seconds(手焊锡)
绝缘电阻 Insulation resistance	$> 1,000M\Omega$	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 2,4,6,8,16,32 times the power rating for 1min.(V ≤ 4 times max, working voltage)

● 料号编号 Ordering Information

例 example

NIR	012	J	100	S
型号 Type	额定功率 Rated power	精度 Tolerance	阻值 Resistance	小型化 Small size
NIR	014=1/4W 012=1/2W 01=1W 02=2W 03=3W 05=5W 07=7W	G=±2% J=±5%	R100=0.1Ω 1R00=1Ω 10R0=10Ω 10K00=1KΩ 1M00=1MΩ	