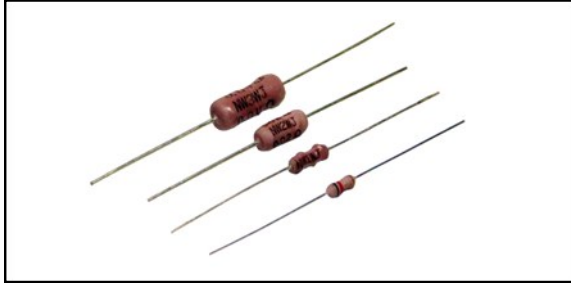


NON INDUCTIVE RESISTOR

- NWU** 无感电阻器
- NMU** NON INDUCTIVE RESISTOR (Standard Type)
- NWS** 小型无感电阻器
- NMS** NON INDUCTIVE RESISTOR (Small Type)
- NWP** 超小型无感电阻器
- NMP** NON INDUCTIVE RESISTOR (Super Small Type)

- NVU** 无感精密电阻器
- NVU** NON INDUCTIVE PRECISION RESISTOR (Standard Type)
- NVS** 小型无感精密电阻器
- NVS** NON INDUCTIVE PRECISION RESISTOR (Small Type)
- NVP** 超小型无感精密电阻器
- NVP** NON INDUCTIVE PRECISION RESISTOR (Super Small Type)



- 涂料颜色 : Coating Color
- 标准品 : Standard Type (Gray)
- 小型品 : Small Type (Pink)
- 超小型品 : Super Small Type (Pink)
- 标示 : Marking
- 色码 : Color Code (S1/2W)
- 文字 : Alphanumeric (1/2W~7W)

特性 Feature

- ◎使用不燃性涂料, 具不燃与绝缘之安全特性.(UL94 V-0)
- ◎ Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base. (Equivalent to UL94 V-0)
- ◎小型化能高密度插装
- ◎ Small size are good for high density application.
- ◎超低电感量 (1KHz : 1μH 以下)
- ◎ Low inductance value (1KHz : Under 1μH).
- ◎产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

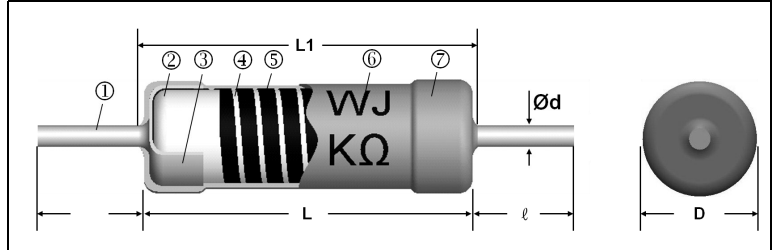
参考规格 Reference standards

- JIS C 5201-1

额定 Ratings

Rated Power (W)	阻值范围 Resistance Range (Ω)			最高使用电压 Max. Working Voltage	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.	包装 Taping/Ammo pack (pcs)				
	NW (Wire)	NM (Film)	NV (Film)				A26	A52	A64	FT	YT
P1	0.05 ~ 22	2Ω ~ 12M	10Ω ~ 3G	750V	NW : 350V NM · NV : 500V	NW Type	5000	2500	—	2000	—
1/2,S1,P2				1000V		≤ 1Ω : ± 500ppm/°C	—	2000	—	1000	1000
1,S2,P3	1500V	> 1Ω : ± 300ppm/°C		—		1000	1000	1000	1000		
2,S3,P5	—	NM · NV Type	—	500		500	1000	1000			
3,S5	—	≤ 300Ω : ± 350ppm/°C	—	—		—	—	—			
7	0.05 ~ 220	2Ω ~ 1M	—	—	—	—	—				
						> 300Ω : ± 200ppm/°C	—	—	—	—	—

结构图 Construction



1	端子线	Lead wire	5	绕线	Wire wound/NW
2	瓷棒	Ceramic base		导电皮膜	Conductive film/NM · NV
3	铁帽	Cap	6	标示	Marking or color code
4	切割线	Helical cutting groove	7	绝缘涂料	Insulation coat

外型尺寸 Dimensions

Rated Power (W)	Dimensions (mm)					Weight (g) (1000pcs)
	L	L1 Max.	D	Ød	ℓ	
P1	6±0.3	7	2.4±0.1	0.6±0.05	28±2	210
1/2,S1,P2	9±0.5	11	3.3±0.5		28±3	285
1,S2,P3	12±1	15	4.5±0.5	0.8±0.05	38±3	728
2,S3,P5	16±1	18	5.5±1			1380
3,S5	25±1	28	8.5±0.5			3768
7	25±1	28	8.5±0.5			3768

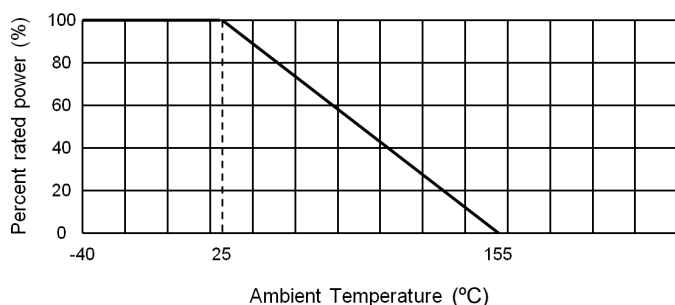
料号编码 Type composition 例 Example

NW	U	12	J	1000	A520	NH
型名 Type	品名 Size	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
NW	U: Standard	12:1/2W	G±2%	R100=0.1	See table	热镀线 Heat plated
NM	S: Small	01:1W	J±5%	1R00=1	below	
NV	P: Super small	02:2W		10R0=10		
		03:3W		1000=100		
		05:5W		1001=1K		
		A0:10W		1002=10K		

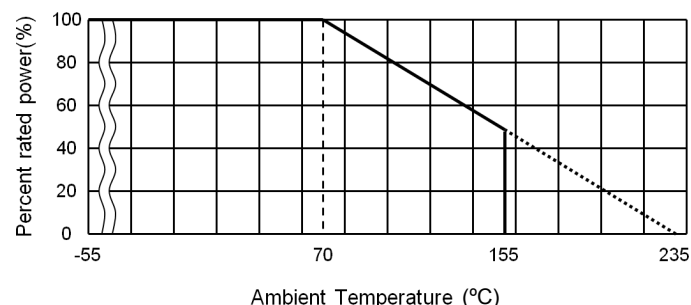
■ 额定温度下降曲线图 Derating curve

例 Example

NW Type



NM Type



■ 二次加工对应表 Taping & Forming Matrix

Rated Power (W)	Taping			Radial Taping		L Forming				C Forming				F Forming				M Forming			D Forming				
	A26	A52	A64	FT	YT	L10	L12.5	L15	L20	C12.5	C15	C20	C30	FA5	FB5	FC5	FD5	M12.5	M15	M20	D12.5	D15	D20	D30	
P1	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2,S1,P2	-	○	-	○	○	-	○	-	-	○	-	-	-	○	○	○	○	○	-	-	○	-	-	-	-
1,S2,P3	-	○	○	○	○	-	-	○	-	-	○	-	-	○	○	○	○	-	○	-	-	○	-	-	-
2,S3,S5,P5	-	○	○	-	○	-	-	-	○	-	-	○	-	○	○	○	○	-	-	○	-	-	○	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	○
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

■ 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
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°C Room temperature +100°C
短时间过负荷 Short time overload	±(1%+0.05Ω)	6.25 倍额定功率, 5 秒 6.25 times the rated power for 5 seconds
负荷寿命 Load life	±(5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5h ON / 0.5h OFF Cycles
耐湿负荷寿命 Load life in humidity	±(5%+0.1Ω)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐湿性 Moisture resistance	±(1%+0.05Ω)	40°C, 95% RH, 240 小时 40°C, 95% RH for 240 hours
温度循环 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) : room temp.(30min) ~ +85°C (30min) room temp. (30min)
焊锡效果 Soldeability	95 % (min) coverage	Temp. of solder 245°C ± 5°C duration of immersion 3s±0.5s
焊锡耐热 Resistance to soldering heat	±(1%+0.05Ω)	260°C ± 5°C for 10 seconds (焊锡槽) 350°C ± 10°C for 3.5 seconds (手焊锡)
绝缘电阻 Insulation resistance	>1,000MΩ	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 ≤ 4 times max. working voltage)