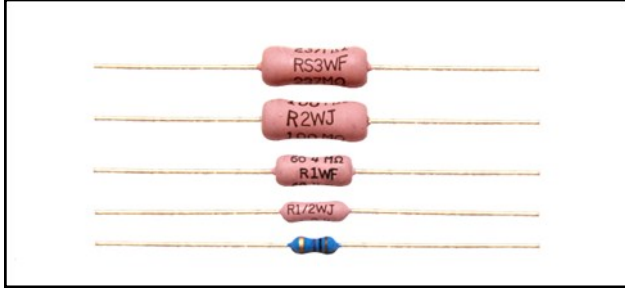


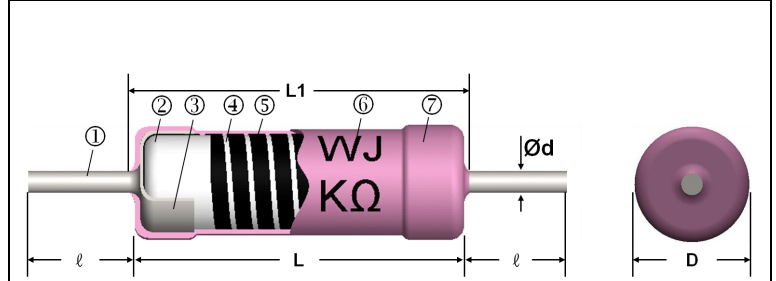
# HIGH VOLTAGE PATH RESISTOR

**RRU** 高阻值金属釉电阻器  
HIGH RESISTANCE RESISTOR (Standard Type)

**RRS** 高阻值小型金属釉电阻器  
HIGH RESISTANCE RESISTOR (Small Type)



## 结构图 Construction



1	端子线	Lead wire	5	金属釉皮膜	Metal glaze film
2	瓷棒	Ceramic base	6	标示	Marking or color code
3	铁帽	Cap			
4	切割线	Helical cutting groove	7	绝缘涂料	Insulation coat

涂装颜色：Coating Color  
RRU1/6W、RRU1/4W Dark blue  
other pink

标示：Marking

色码：Color Code (□S1/2W)

文字：Alphanumeric (1/2W~S3W)

## 外型尺寸 Dimensions

Rated Power (W)	Dimensions (mm)					Weight (g) (1000pcs)
	L	L1 Max.	D	Ød	l	
1/6,S1/4	3.3±0.3	4	1.8±0.2	0.45±0.05	28±2	120
1/4,S1/2	6.0±0.3	7	2.4±0.1	0.6±0.05	28±2	218
1/2,S1	9±0.5	11	3.3±0.5		28±3	320
1,S2	12±1	15	4.5±0.5	0.8±0.05	38±3	780
2,S3	16±1	18	5.5±0.5			1450

## 特性 Feature

- ◎阻值范围 101MΩ~3GΩ
- ◎ Resistance value range is 101MΩ~3GΩ.
- ◎温度系数小
- ◎ Low T.C.R.
- ◎长期稳定性与长效使用寿命
- ◎ Long load life and long term stability.
- ◎产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

## 料号编码 Type composition

例 Example

RR	U	14	J	10R0	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
	U: Standard	16:1/6W	F±1%	1006=100M	See table	热镀线
	S: Small	14:1/4W	G±2%	1007=1G	below	Heat plated
		12:1/2W	J±5%			
		01:1W				
		02:2W				
		03:3W				

## 参考规格 Reference standards

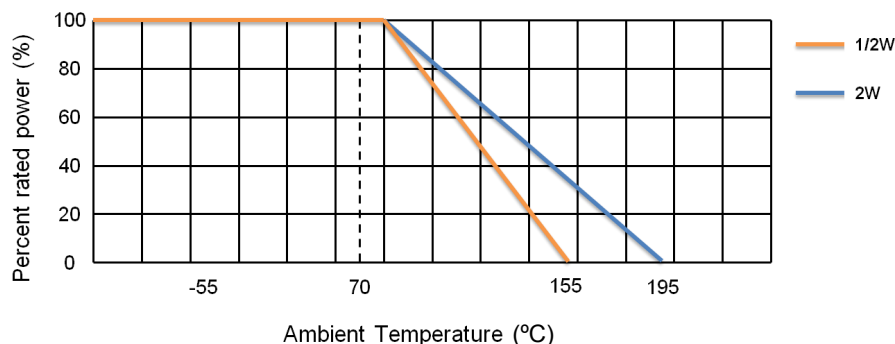
- JIS C 5201-1

## 额定 Ratings

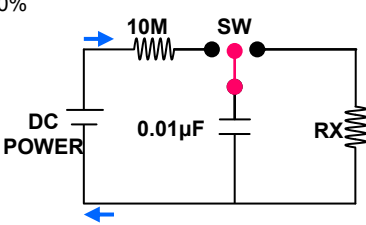
Rated Power (W)	阻值范围 Resistance Range (Ω)	最高使用电压 Max. Working Voltage	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.	包装 Taping/Ammo,Forming/Bulk pack (pcs)								
	J±5% (E24)				A26	A52	A64	FT	YT	L	C	M	D
1/6,S1/4	□100M~3G	500V	700V	±200ppm/°C	5000	—	—	—	—	—	—	—	—
1/4,S1/2		1600V			—	2500	—	2000	—	2500	2500	2500	2500
1/2,S1		3500V			—	2000	—	2000	2000	1000	2500	2500	2500
1,S2		7000V			—	1000	1000	1000	1000	1000	1000	1000	1000
2,S3		10000V			—	500	500	—	1000	1000	1000	1000	1000

■ 额定温度下降曲线图 Derating curve

例 Example



■ 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	±(1.5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr 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	±(1.5%+0.05Ω)	5 cycles for -25°C (30min) : room temp. (30min) ~ +85°C (30min) room temp. (30min)
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	≥ 50GΩ	500V 绝缘测试 1 分钟 500V insulation test 1min.
UL 脉冲测试 UL Pulse withstanding voltage	±20% 	The following discharge cycle is repeated in the circuit of the left fig. 2.5 sec. ON 2.5 sec. OFF 50 cycles. Pulse test voltage (DC surge) 10KV.