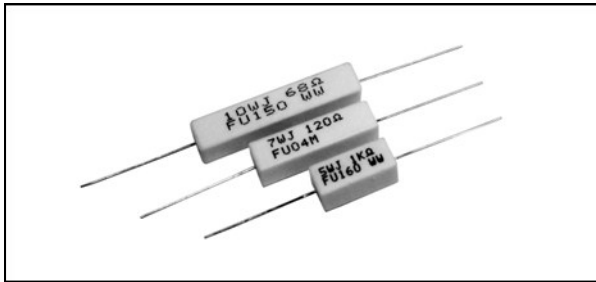


# CEMENT RESISTOR

**RGW** 水泥电阻器  
CEMENT RESISTOR (Standard Type)

**RGF** 水泥电阻器  
CEMENT RESISTOR (Small Type)



本体颜色 : Body color

白色 : White

标示 : Marking

文字 : Alphanumeric

## 特性 Feature

- ◎ 不燃与绝缘之安全设计
- ◎ Compact type with safety design of non-flammability and insulation.
- ◎ 可提供低电感
- ◎ Low inductance is available.
- ◎ 长期稳定性佳
- ◎ Stable long life.
- ◎ 可依客户需求制作
- ◎ Can be produced according to customer's request.
- ◎ 产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

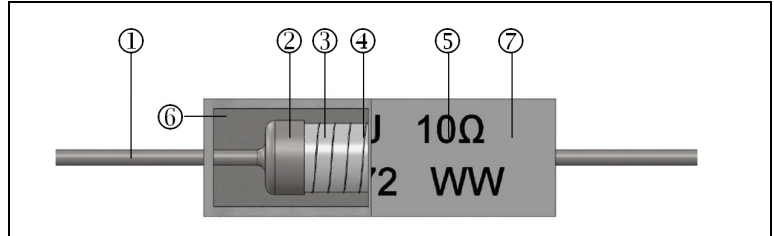
## 参考规格 Reference standards

- 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	最高过负荷电压 Max. Overload Voltage	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.
	皮膜型 Film Type	绕线型 Wire wound Type				
1	4~39K	0.1~330	150V	500V	1000V	≤ 1Ω: ± 600 ppm/°C > 1Ω: ± 350 ppm/°C
2	4~39K	0.1~330	150V	750V		
3	4~39K	0.1~330	350V	1000V		
5	4~50K	0.1~1K	350V	1000V		
7	4~100K	0.1~2.2K	500V	1500V		
10	4~100K	0.1~4.7K	750V	1500V		
15	4~100K	1~5.1K	1000V	1500V		
20	4~100K	1~10K	1000V	1500V		
25	4~100K	1~10K	1000V	1500V		
30	4~100K	1~10K	1000V	1500V		
40	4~100K	1~10K	1000V	1500V		

## 结构图 Construction



1	端子线	Lead wire	5	标示	Marking
2	铁帽	Cap			
3	瓷棒	Ceramic base	6	绝缘涂料	Insulation coat
4	绕线 / 皮膜	Wire wound / Film	7	瓷壳	Ceramic case

## 料号编码 Type composition 例 Example

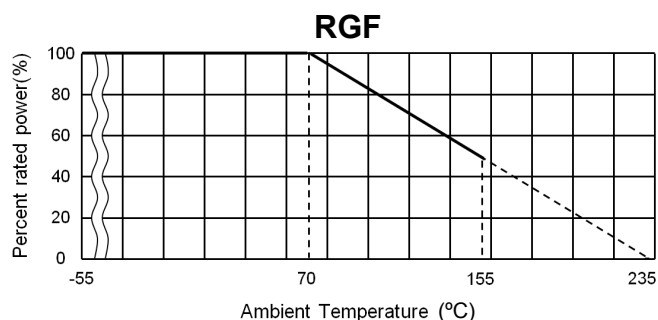
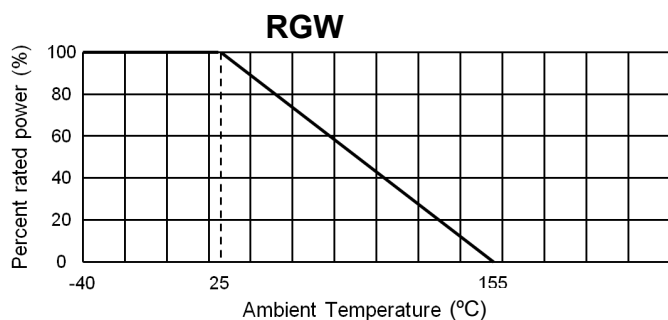
RG	W	01	J	R100	PG00	NH
型名 Type	品名 Size	额定功率 Rated Power	误差值 Tolerance	电阻值(Ω) Resistance	二次加工 Forming	端子线 Lead Wire
	W: Wire	01:1W	F±1%	R100=0.1	PG00=P Type	NH=Heat
	F: Film	02:2W	G±2%	1R00=1	MG00=M Type	Plated
		05:5W	J±5%	10R0=10	SG00=S Type	NL=Electro
		07:7W	K±10%	1000=100	TG00=T Type	Plated
		A0:10W		1001=1K	HG02=H Type	
		B5:25W		1002=10K		

## 造型对应表 Type matrix

RG Type	Rated Power(W)										
	1	2	3	5	7	10	15	20	25	30	40
P	◎	◎	◎	◎	◎	◎	◎	◎	◎		
Z			◎	◎	◎	◎	◎	◎	◎		
M		◎	◎	◎	◎	◎					
T				◎	◎	◎					
S					◎	◎					
H						◎	◎	◎		◎	◎

RGK TYPE Available : 4W 5W 6W 7W 9W 11W 17W

■ 额定温度下降曲线图 Derating curve 例 Example



■ 造型图 (Dimensions see as APPENDIX)

<p><b>P Type</b></p>	<p><b>Z Type</b></p>
<p><b>M Type</b></p>	<p><b>S Type</b></p>
<p><b>T Type</b></p>	<p><b>H Type</b></p>

■ 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)	10 倍额定功率, 5 秒 10 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 1.5hr 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
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	>1000MΩ	500V 绝缘测试 1 分钟 500V insulation test 1min.