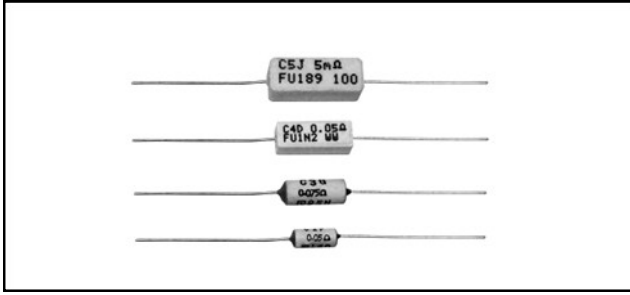


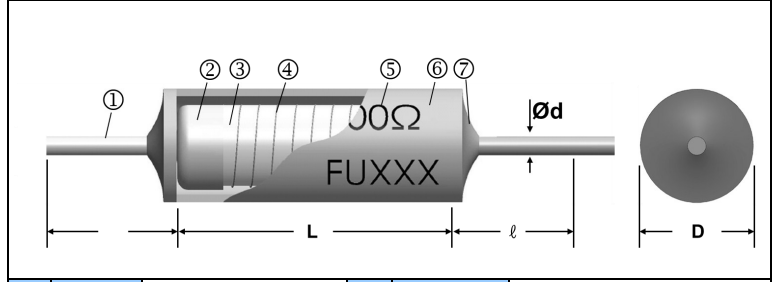
CURRENT SENSOR RESISTOR

RGC

电流侦测电阻器
CURRENT SENSOR RESISTOR (RGC Type)



结构图 Construction



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

本体颜色 : Body color

白色 : White

标示 : Marking

文字 : Alphanumeric

外型尺寸 Dimensions

Rated Power (W)	L (mm)	D (mm)	l (mm)	Ød (mm)
1	11.5±1	4.3±1	26±2	0.6±0.05
2	11.5±1	4.3±1	26±2	0.6±0.05
3	15±1	5.5±1	32±2	0.8±0.05
4	22±1	8.0±1	27±3	1.0±0.05
5	22±1	8.0±1	30±2	0.8±0.05
*7	22±1	9.0±1	30±2	0.8±0.05
*9	38±1	9.0±1	30±2	0.8±0.05
10	37±1	10 ±1	30±2	0.8±0.05
20	42±1	12 ±1	30±2	0.8±0.05

◎ 7W、9W 为方型瓷壳

料号编码 Type composition

例 Example

RGC	03	J	R100	A52	NH
型名 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
	03:3W	F±1%	R001=0.001	See table below	热镀线 Heat plated
	05:5W	G±2%	R010=0.01		
	07:7W	J±5%	R100=0.1		
	A0:10W	K±10%			

参考规格 Reference standards

● JIS C 5201-1

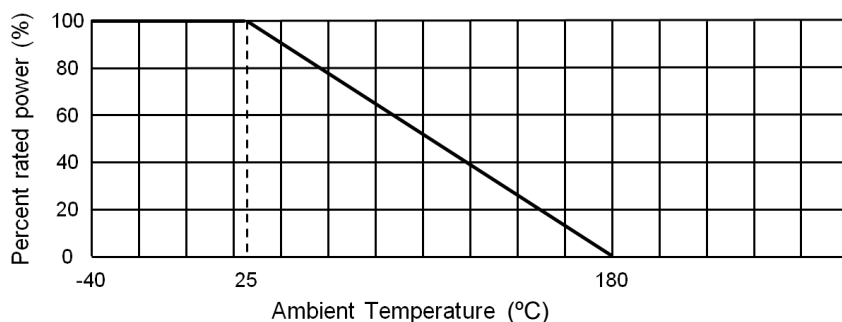
额定 Ratings

Rated Power (W)	阻值范围 Resistance Range(Ω)	温度系数 T.C.R.	误差值 Tolerance	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
1	0.001Ω~ 0.1Ω (1mΩ~ 100mΩ)	±20ppm/°C ±50ppm/°C ±100ppm/°C	F±1% G±2% J±5% K±10%	\sqrt{PR}	$\sqrt{10PR}$	2000V
2						
3						
4						
5						
7						
9						
10						
20						

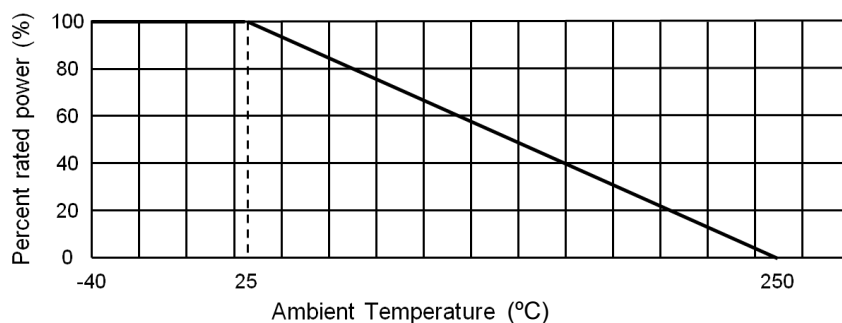
■ 额定温度下降曲线图 Derating curve

例 Example

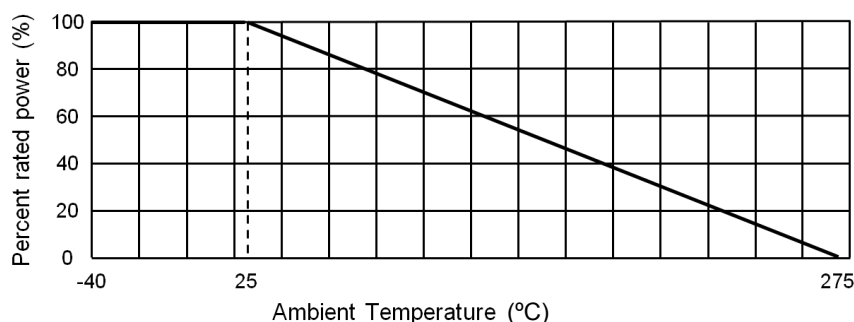
4W~7W



9W~11W



>15W



■ 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 1.5hr 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	>100MΩ	500V 绝缘测试 1 分钟 500V insulation test 1min.