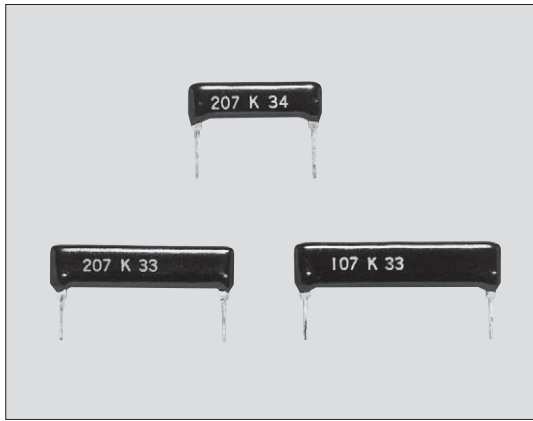


# HIGH RESISTANCE



## RK92 高压厚膜电阻器 Thick Film Resistors For High Voltage



外观颜色: 黑色 Coating color: Black

### 特点 Features

- 是高电压电路用的高电阻值产品。
- 是薄型的SIP形状。
- 使用了相当于UL94V-0的阻燃性涂料。
- 由于使用了厚膜电阻 (RuO<sub>2</sub>系), 因此对寿命·长期变化十分稳定。
- 端子无铅电镀品, 符合欧盟RoHS。电极、电阻膜层、玻璃中所含的铅玻璃不适用欧盟RoHS指令。
- High resistance resistors for high voltage circuits.
- Thin SIP shape.
- The flame retardant coats corresponding to UL94V-0 are used.
- Thick film resistors (RuO<sub>2</sub>) ensure high stabilities in life and change in aging.
- Products with lead free termination meet EU-RoHS requirements. EU-RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.

### 用途 Applications

- 复印机 PPCs
- LBP LBP
- 空调 Air conditioners
- 电子微波炉 Microwave ovens
- 回扫变压器等 High voltage circuits for fly-back transformers, etc.

### 参考标准 Reference Standards

IEC 60115-1  
JIS C 5201-1

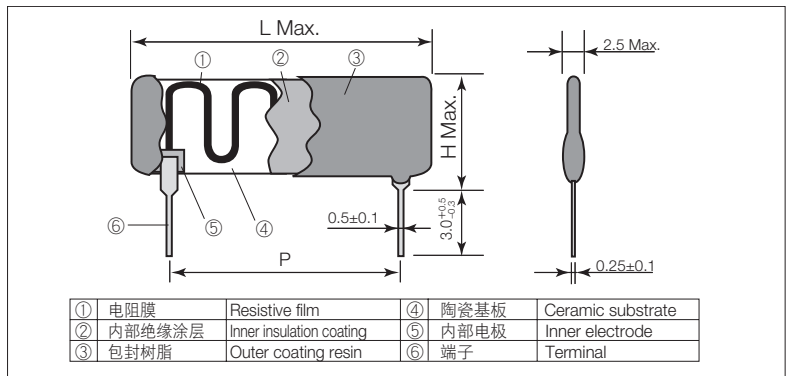
### 额定值 Ratings

型号 Type	额定功率 Power Rating	电阻值范围 Resistance Range (Ω)					电阻温度系数 T.C.R. (×10 <sup>-6</sup> /K)	最高使用电压 Max. Working Voltage	额定环境温度 Rated Ambient Temp.	使用温度范围 Operating Temp. Range
		F: ±1%	G: ±2%	J: ±5%	K: ±10%	M: ±20%				
4L	0.5W	2M~10M	2M~10M	-	-	-	±300	1kV	+70°C	-25°C~+125°C
5L	0.5W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G		10kV		
6L	0.6W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G		7kV		
3C	0.5W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G		10kV		
5C	0.75W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G				
7C	0.85W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G				
8C	1.0W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G				
9C	1.1W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G				
11X	1.7W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G				
18X	2.7W	1M~500M	1M~500M	1M~1G	1M~1G	1M~1G		15kV		

额定电压是√额定功率×公称电阻值所算出的值或表中最高使用电压两者中小的值为额定电压。

Rated voltage = √Power Rating × Resistance value or Max. working voltage, whichever is lower.

### 结构图 Construction



### 外形尺寸 Dimensions

型号 Type	尺寸 Dimensions (mm)			Weight (g) (1000pcs)
	L Max.	H Max.	P ±0.2	
4L	12.7	5.08	10.16	196
5L	15.3		12.7	227
6L	17.8		15.24	258
3C	10.8	6.5	7.62	194
5C	15.8		12.7	286
7C	20.9		17.78	377
8C	23.5		20.32	422
9C	26.0		22.86	468
11X	31.0		27.94	1007
18X	48.9	10	45.72	1672

### 品名构成 Type Designation

#### 实例 Example

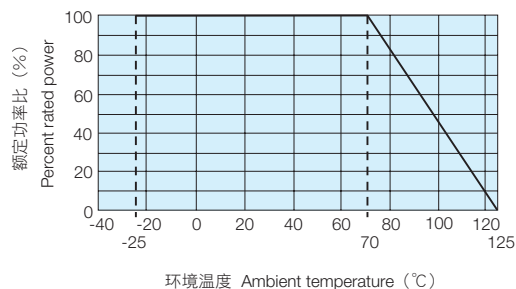
RK92	-	5L	D	107	J
品种 Product Code	形状 Style	端子表面材质 Terminal Surface Material	公称电阻值 Nominal Resistance	阻值允许偏差 Resistance Tolerance	
	4L 5L 6L 3C 5C 7C 8C 9C 11X 18X	D: SnAgCu (L: Sn/Pb)	F: 4 digits G, J, K, M: 3 digits	F: ±1% G: ±2% J: ±5% K: ±10% M: ±20%	

欲知关于此产品含有的环境负荷物质详情(除EU-RoHS以外), 请与我们联系。  
端子表面材质, 以无铅品为准。

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS.

The terminal surface material lead free is standard.

## ■ 负荷减轻特性曲线 Derating Curve



在环境温度70℃以上使用时，应按照上图负荷减轻特性曲线，减小额定功率。

For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

## ■ 性能 Performance

试验项目 Test Items	标准值 Performance Requirements $\Delta R \pm (\% + 0.05 \Omega)$		试验方法 Test Methods
	保证值 Limit	代表值 Limit	
电阻值 Resistance	在规定的允许偏差内 Within specified tolerance	—	+25°C
电阻温度系数 T.C.R.	在规定的值以内 Within specified T.C.R.	—	室温/100°C Room temperature + 100°C
耐焊接热 Resistance to soldering heat	1	0.5	260°C ± 5°C, 10s ± 1s
温度突变 Temperature cycling	1	0.5	-25°C (30min.) / +125°C (30min.) 5 cycles
耐湿负荷 Moisture resistance	5	3	40°C ± 2°C, 90%~95%RH, 1000h
耐久性 Endurance	5	3	室温 Room temperature 1000h 额定电压 Rated voltage

## ■ 使用注意事项 Precautions for Use

- 无铅端子品的波峰焊条件是260℃，最大10秒以内。
- The conditions for lead-free terminal resistors are set up at 260°C Max. within 10 sec.