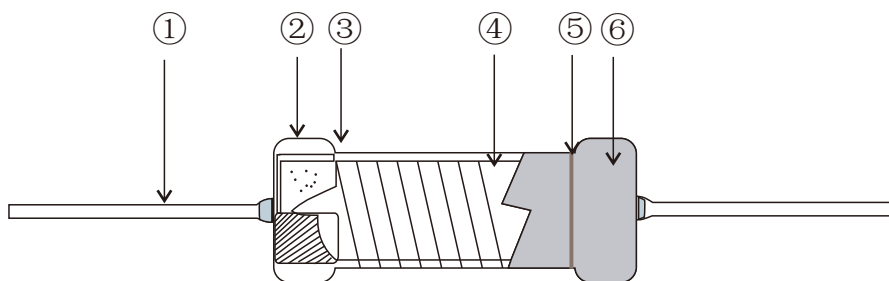


RSS 超小型线绕电阻器 WIRE WOUND RESISTOR (Super Small Type)



本体颜色: Body Color
超小型品: Super Small Type (Pink 粉红色)
标 示: Marking
色 环: Color Code(1W-7W)
(根据客户要求提供相应标识)
(According to the customer request to provide corresponding identification)

● 结构图 Construction



1	2	3	4	5	6
端子线	线帽	瓷棒	绕线	标示	绝缘涂料
lead wire	cap	ceramic base	wire wound	marking or color code	insulation coat

● 特性 Feature

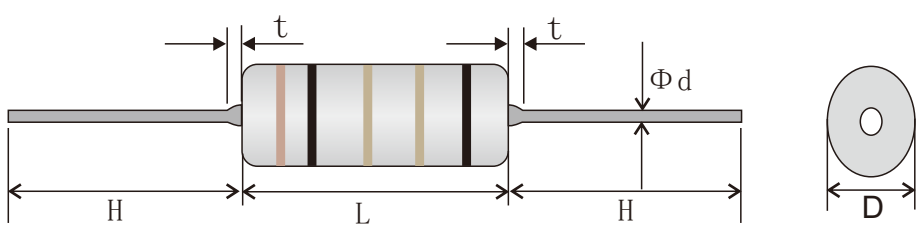
- I 表面涂不燃性涂料, 具不燃与绝缘之安全特性 (UL94V-0)
Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base.(Eqyuvakebt to UL94V-0)
- II 耐热性好、温度系数小、燥声低、负荷功率大
Good heat-durability, low temperature coefficient, low noise, high overload power
- III 长期稳定性强
Stable long service life
- IV 产品符合欧盟RoHS要求
Products meet Eu-RoHS.

● 参考规格Reference Standards

JIS C 5201-1

RSS 超小型线绕电阻器 WIRE WOUND RESISTOR (Super Small Type)

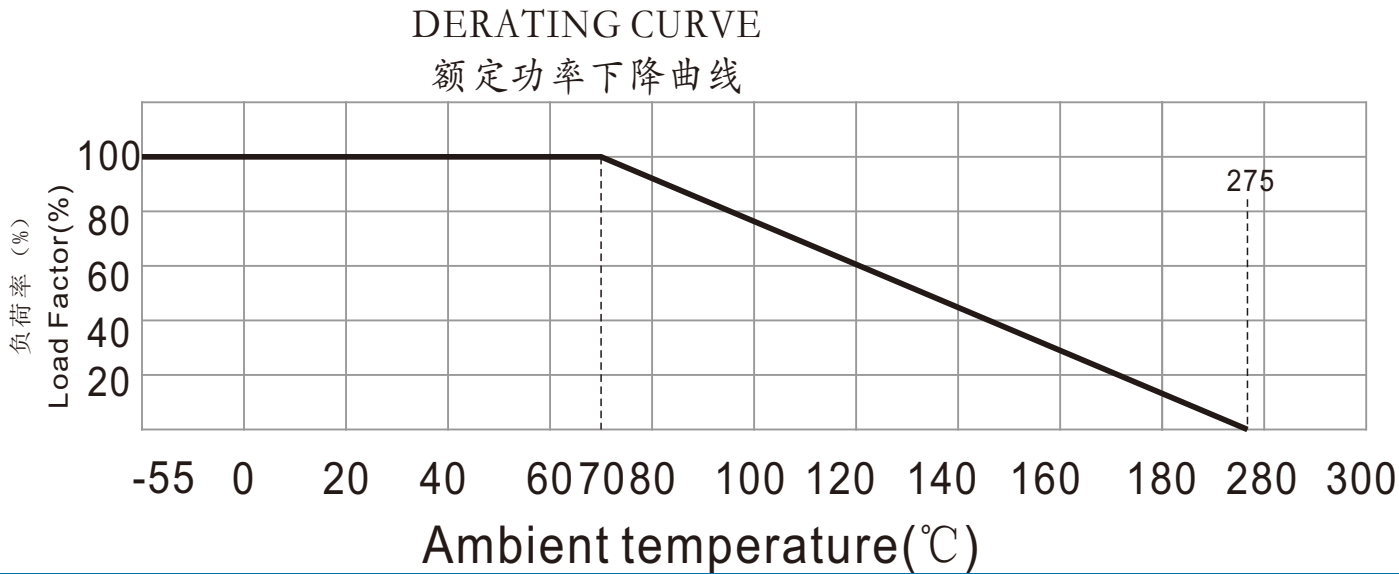
尺寸、功率、阻值范围与耐电压 Dimensions And Resistance etc



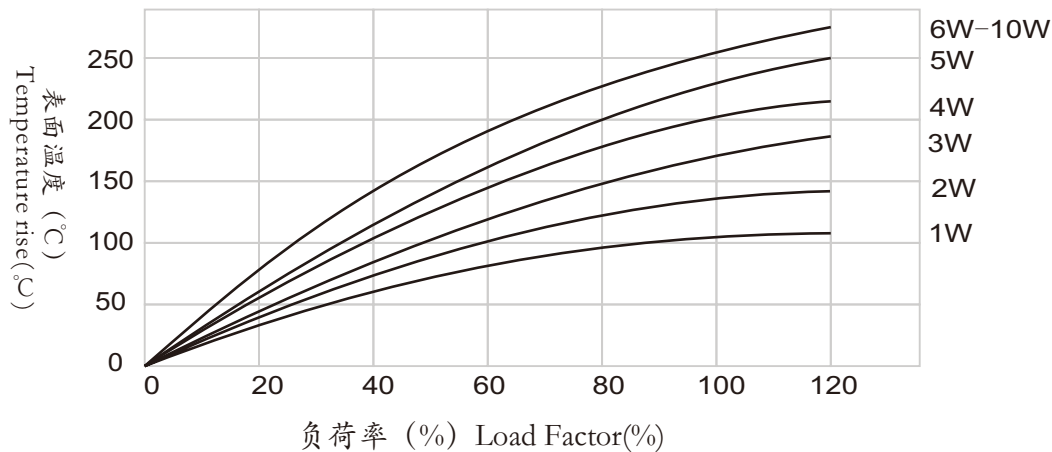
规格 Type	功率 Power	阻值范围 Resistance Range (Ω)	尺寸Dimensions(mm)					最高使用电压 Max working Voltage	耐电压 Dielectric with standing	温度系数 T.C.R
			L±1	t max	D±0.5	H±3	d±0.05			
RSS01	1W	0.1~3KΩ	6.5	2.5	2.50	28.0	0.70	50V	350V	≥10Ω ±200PPM/℃
RSS02	2W	0.1~5KΩ	9.0	2.5	3.50	28.0	0.70	200V	350V	
RSS03	3W	0.1~5KΩ	12.0	2.5	4.50	28.0	0.70	200V	500V	
RSS04	4W	0.1~10KΩ	15.0	2.5	5.0	28.0	0.70	200V	500V	1~9.9Ω ±50PPM/℃
RSS05	5W	0.1~10KΩ	15.0	2.5	5.0	30.0	0.75	200V	500V	
RSS06	6W	0.1~10KΩ	18.0	2.5	6.0	33.0	0.75	200V	500V	0.1~0.99Ω 100PPM/℃
RSS07	7W	0.1~10KΩ	19.0	2.5	7.0	33.0	0.75	300V	500V	
RSS08	8W	0.1~10KΩ	22.0	2.5	7.50	33.0	0.75	300V	500V	0.05~0.099Ω 300PPM/℃
RSS09	9W	0.1~10KΩ	25.0	2.5	8.0	33.0	0.75	500V	500V	

更小体积的产品，根据阻值和电路应用进行设计，如需此类产品，请向我们的工程师咨询kwx@kwxcom.com
For mini size products , we can design the products according to your specific resistance value and current circuit.
More details, please contact with our engineer kwx@kwxcom.com

额定温度下降曲线图 Derating Curve

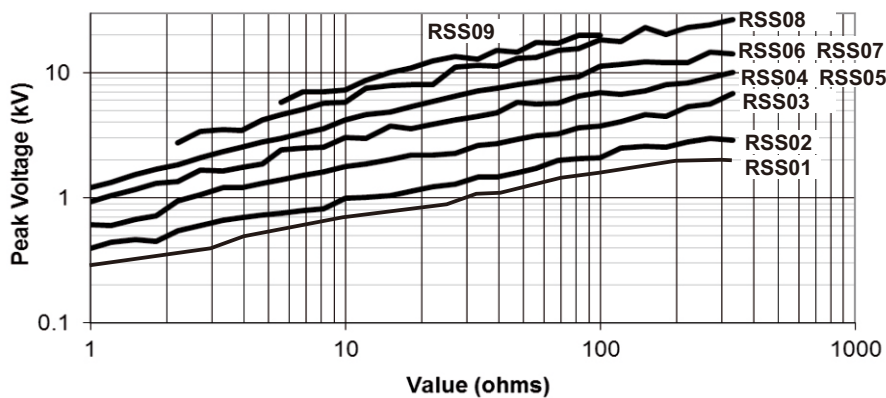


● 表面温升曲线 Temperature rising curve



● 脉冲曲线图 Pulse Test Curve

1.2/50 μ s Peak Voltage Limit

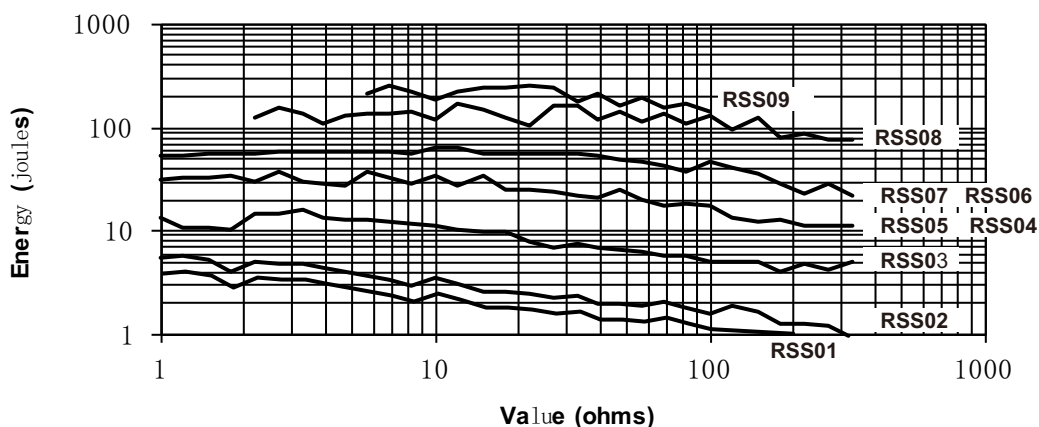


(10Pulse at 30s intervals, $\Delta R < 5\%$)

Note the voltage shown is the nett voltage across the resistor.
At low values, the generator open circuit voltage will be higher due to the generator, s2 ohm internal impedance.

Surge / Pulse Energy Capacity

(single or low repetition rate, $\Delta R < 5\%$)



● 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods(JIS C 5201-1)
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℃ Room temperature+100℃
短时间过负荷 Short time overload	$\pm (1\%R+0.05\Omega)$	5倍额定功率, 5秒 5 times the rated power for 5 seconds
负荷寿命 Load life	$\pm (5\%R+0.1\Omega)$	Rated voltage at 70℃ for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	$\pm (5\%R+0.1\Omega)$	额定电压40℃, 95% RH, 1000小时 Rated voltage at 40℃, 95%RH for 1,000 hours
耐湿性 Moisture resistance	$\pm (1\%R+0.05\Omega)$	40℃, 95% RH, 240小时 40℃, 95%RH for 240 hours
温度循环 Temperature cycle	$\pm (1\%R+0.05\Omega)$	5 cycles for -25℃ (30min); room temp.(30min) ~+85℃ (30min) room temp.(30min)
焊锡效果 Solderability	95%(min)coverage	Temp. of solder 245℃ $\pm$ 5℃ duration of immersion 3s $\pm$ 0.5s
焊锡耐热 Resistance to soldering heat	$\pm (1\%R+0.05\Omega)$	260℃ $\pm$ 5℃ for 10 seconds(焊锡槽) 350℃ $\pm$ 10℃ for 3.5 seconds(手焊锡)
绝缘电阻 Insulation resistance	> 1,000M Ω	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 2,4,6,8,16,32 times the power rating for 1min.(V $\leq$ 4times max, working voltage)

● 料号编号 ordering Information

例 example

RSS	14	J	R100	A520
型号 Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	二次加工 Forming
	01: 1W 02: 2W 03: 3W	J $\pm$ 5%	R100=0.1 1R00=1 10R0=10 1000=100	