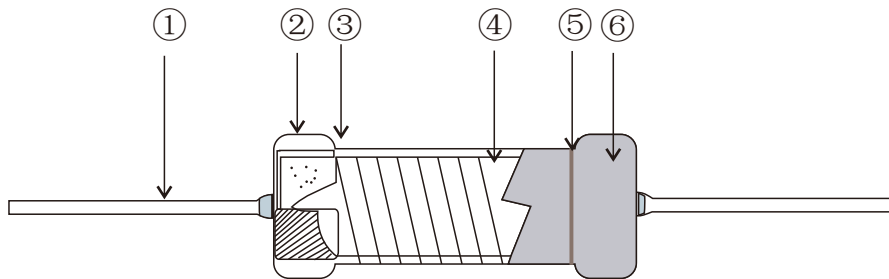


RWS 小型线绕电阻器 WIRE WOUND RESISTOR (Small Type)



本体颜色: Body Color
小 型 品: Small Type (Pink 粉红色)
标 示: Marking
色 环: Color Code (1/4W-5W)
文 字: Alphanumeric (6W-40W)
(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

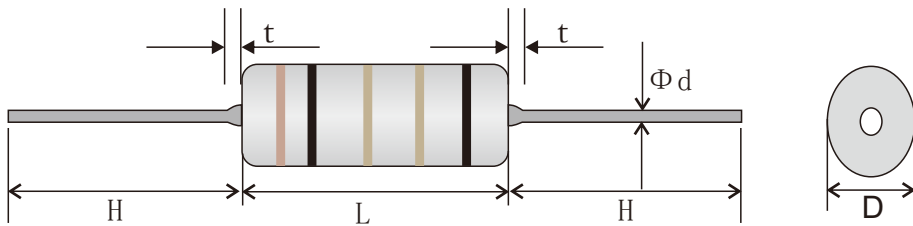
- I 表面涂不燃性涂料, 具不燃与绝缘之安全特性 (UL94V-0)
Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base. (Eqv. UL94V-0)
- II 耐热性好、温度系数小、噪声低、负荷功率大
Good heat-durability, low temperature coefficient, low noise, high overload power
- III 长期稳定性强
Stable long service life
-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

● 参考规格 Reference Standards

JIS C 5201-1

RWS 小型线绕电阻器 WIRE WOUND RESISTOR (Small Type)

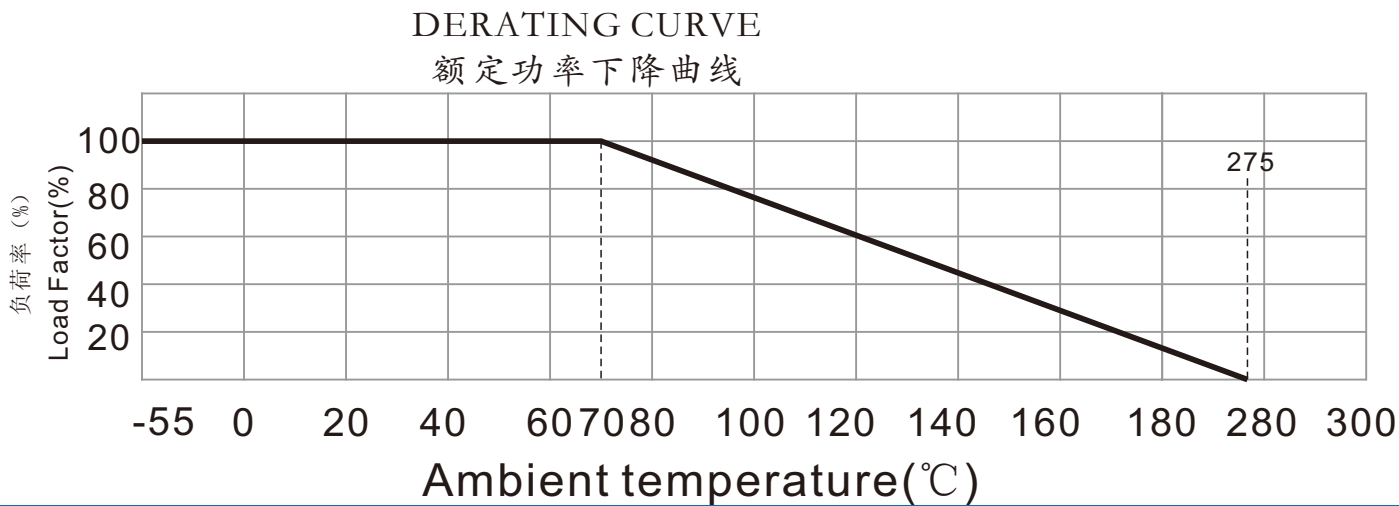
尺寸、功率、阻值范围与耐电压 Dimensions And Resistance etc



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			
RWS14	1/4W	0.1~1KΩ	3.0	1.5	2.0	28.0	0.50	50V	250V	≥10Ω ±20PPM/℃
RWS12	1/2W	0.1~2KΩ	6.5	1.5	2.50	28.0	0.60	50V	350V	
RWS01	1W	0.1~3KΩ	9.0	2.5	3.50	28.0	0.70	50V	350V	
RWS02	2W	0.1~5KΩ	11.0	2.5	4.50	28.0	0.70	200V	350V	1~9.9Ω ±50PPM/℃
RWS03	3W	0.1~5KΩ	15.0	2.5	5.0	28.0	0.70	200V	500V	
RWS04	4W	0.1~10KΩ	18.0	2.5	6.0	28.0	0.70	200V	500V	
RWS05	5W	0.1~10KΩ	18.0	2.5	6.0	30.0	0.75	200V	500V	0.1~0.99Ω 100PPM/℃
RWS06	6W	0.1~10KΩ	19.0	2.5	7.0	33.0	0.75	200V	500V	
RWS07	7W	0.1~10KΩ	22.0	2.5	7.50	33.0	0.75	300V	500V	
RWS08	8W	0.1~10KΩ	25.0	2.5	8.0	33.0	0.75	300V	500V	0.05~0.099Ω 300PPM/℃
RWS09	9W	0.1~10KΩ	32.0	2.5	8.0	33.0	0.75	500V	500V	
RWS10	10W	0.1~15KΩ	32.0	2.5	8.0	33.0	0.75	500V	500V	
RWS12	12W	0.1~15KΩ	36.0	2.5	8.50	33.0	0.80	1000V	500V	0.01~0.049Ω 600PPM/℃

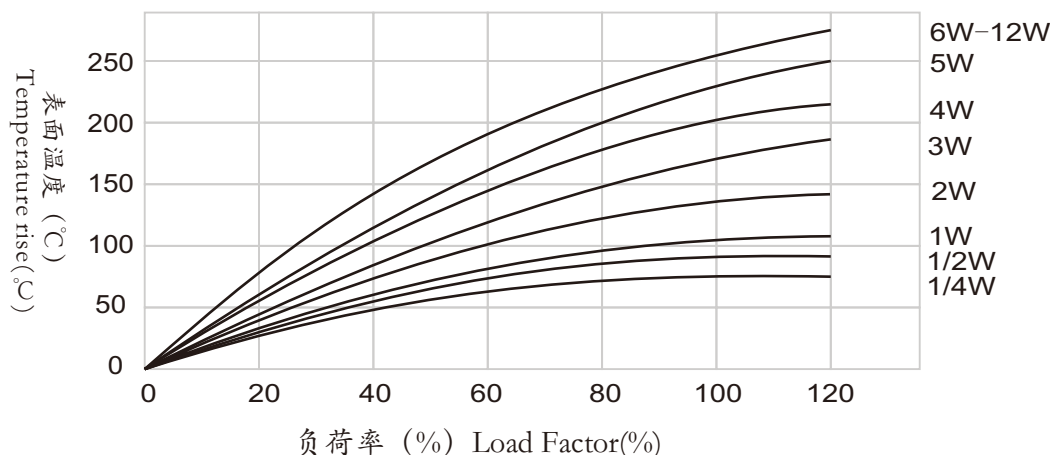
注意：标准产品请选择KNP，超小型产品选择RSS，高压脉冲型选择HVS，无感型产品KNR
更多产品需求请向我们的工程师咨询kwx@kwxcom.com

额定温度下降曲线图 Derating Curve



RWS 小型线绕电阻器 WIRE WOUND RESISTOR (Small Type)

● 表面温升曲线 Temperature rising curve



● 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	$\pm (1\%R + 0.05\Omega)$	4倍额定功率, 5秒 4 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

RWS	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
	14: 1/4W 12: 1/2W 01: 1W 02: 2W 03: 3W	J $\pm$ 5%	R100=0.1 1R00=1 10R0=10 1000=100	