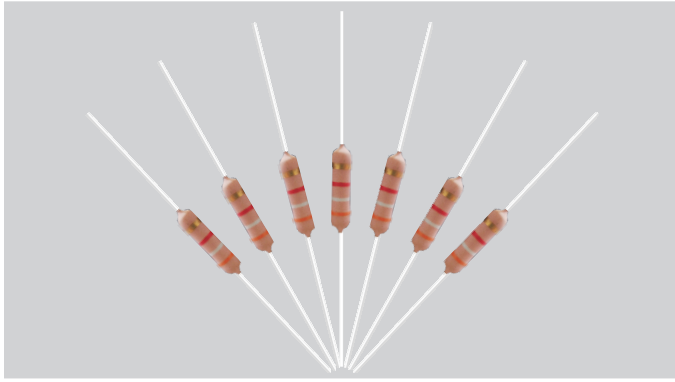




RWS小型绕线电阻

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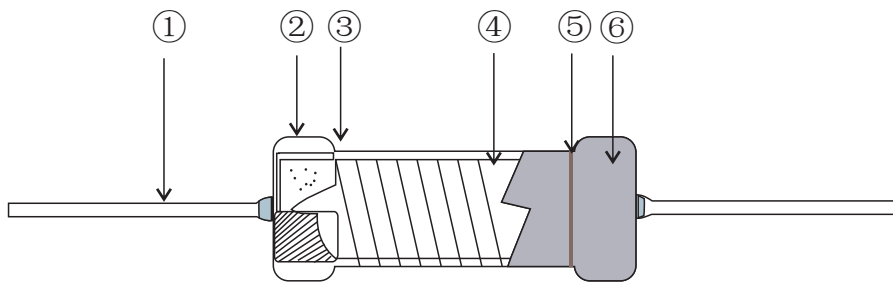


本体颜色: Body Color
 小型品: Small Type (Pink 粉红色)
 标示: Marking
 色环: Color Code (1/4W-5W)
 文字: Alphanumeric (6W-40W)
 (根据客户要求提供相应标识)
 (According to the customer request to provide corresponding identification)

特性

- 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. (Equivalent to 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.

结构图

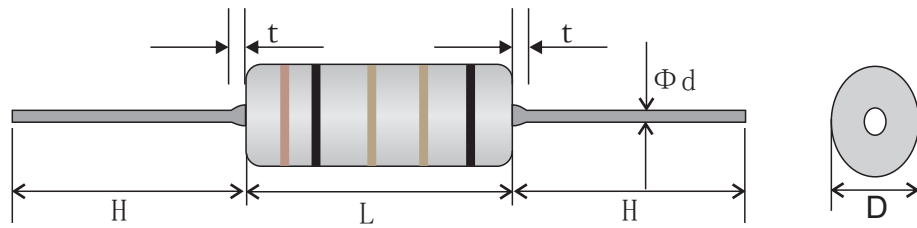


1	2	3	4	5	6
端子线	线帽	瓷棒	绕线	标示	绝缘涂料
lead wire	cap	ceramic base	wire wound	marking or color code	insulation coat

参考规格

JIS C 5201-1

尺寸、功率、阻值范围与耐电压



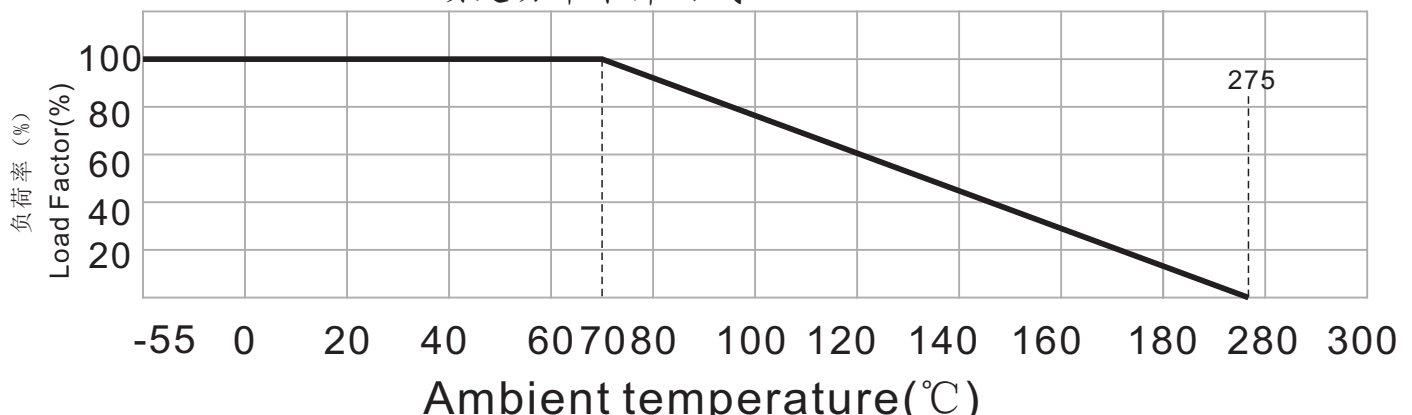
规格 Type	功率 Power	阻值范围 Resistance Range (Ω)	尺寸Dimensions(mm)					最高使用电压 Max working Voltage	耐电压 Dielectric with standing	温度系数 T.C.R	
			L \pm 1	t max	D \pm 0.5	H \pm 3	d \pm 0.05				
RWS14	1/4W	0.1~1K Ω	3.0	1.5	2.0	28.0	0.50	50V	250V	$\geq 10\Omega$ $\pm 20\text{PPM}/^\circ\text{C}$	
RWS12	1/2W	0.1~2K Ω	6.5	1.5	2.50	28.0	0.60	50V	350V		
RWS01	1W	0.1~3K Ω	9.0	2.5	3.50	28.0	0.70	50V	350V		
RWS02	2W	0.1~5K Ω	11.0	2.5	4.50	28.0	0.70	200V	350V		
RWS03	3W	0.1~5K Ω	15.0	2.5	5.0	28.0	0.70	200V	500V		$1\sim 9.9\Omega$ $\pm 50\text{PPM}/^\circ\text{C}$
RWS04	4W	0.1~10K Ω	18.0	2.5	6.0	28.0	0.70	200V	500V		
RWS05	5W	0.1~10K Ω	18.0	2.5	6.0	30.0	0.75	200V	500V		$0.1\sim 0.99\Omega$ $100\text{PPM}/^\circ\text{C}$
RWS06	6W	0.1~10K Ω	19.0	2.5	7.0	33.0	0.75	200V	500V		
RWS07	7W	0.1~10K Ω	22.0	2.5	7.50	33.0	0.75	300V	500V		$0.05\sim 0.099\Omega$ $300\text{PPM}/^\circ\text{C}$
RWS08	8W	0.1~10K Ω	25.0	2.5	8.0	33.0	0.75	300V	500V		
RWS09	9W	0.1~10K Ω	32.0	2.5	8.0	33.0	0.75	500V	500V		$0.01\sim 0.049\Omega$ $600\text{PPM}/^\circ\text{C}$
RWS10	10W	0.1~15K Ω	32.0	2.5	8.0	33.0	0.75	500V	500V		
RWS12	12W	0.1~15K Ω	36.0	2.5	8.50	33.0	0.80	1000V	500V		

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kkt@kktcom.com

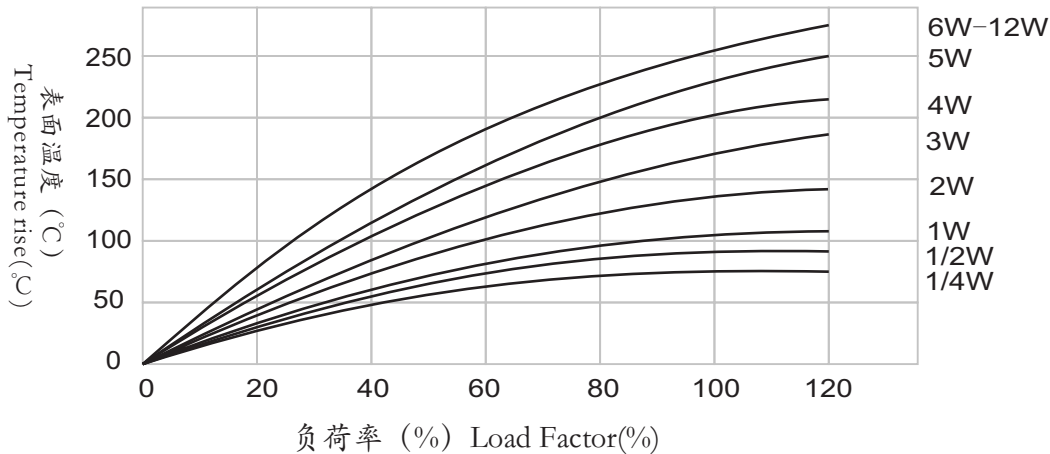
额定温度下降曲线图

DERATING CURVE

额定功率下降曲线



表面温升曲线



性能

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	±(1%R+0.05Ω)	4倍额定功率, 5秒 4 times the rated power for 5 seconds
负荷寿命 Load life	±(5%R+0.1Ω)	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	±(5%R+0.1Ω)	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	±(1%R+0.05Ω)	40℃, 95% RH, 240小时 40℃, 95%RH for 240 hours
温度循环 Temperature cycle	±(1%R+0.05Ω)	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℃±5℃ duration of immersion 3s±0.5s
焊锡耐热 Resistance to soldering heat	±(1%R+0.05Ω)	260℃±5℃ for 10 seconds(焊锡槽) 350℃±10℃ for 3.5 seconds(手焊锡)
绝缘电阻 Insulation resistance	> 1,000MΩ	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≤4times max, working voltage)

料号编号

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±5%	R100=0.1 1R00=1 10R0=10 1000=100	