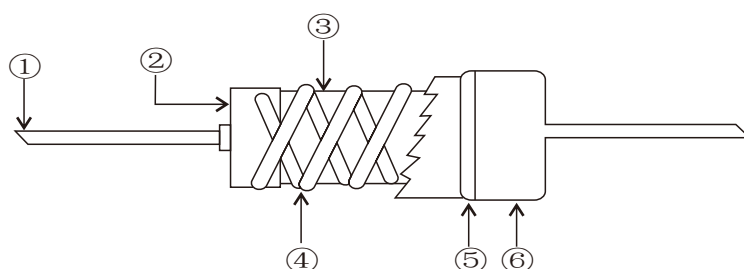


KNR 线绕无感电阻器 WIRE WOUND RESISTOR(Non Inductive)



本体颜色: Body Color
标准品: Standard(Gray 灰色)
标示: Marking
色环: Color Code(1/4W-5W)
文字: Alphanumeric(6W-12W)
(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
镀锡铜线	铁帽	高热传导瓷心	卷线	色码带	不燃性绝缘涂漆
Lead wire	Cap	Ceramic base	Wire wound	Making 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.(Egyuvakebt 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

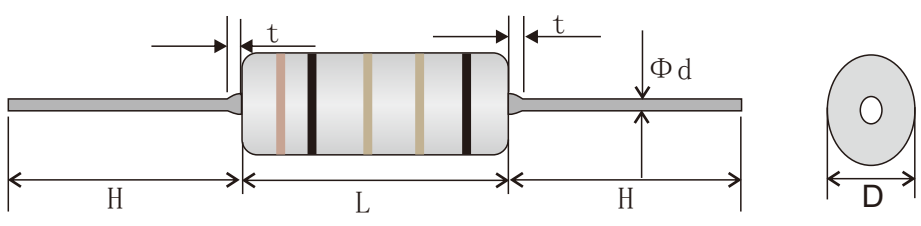
Products meet Eu-RoHS.

● 参考规格Reference Standards

JIS C 5201-1

KNR 线绕无感电阻器 WIRE WOUND RESISTOR(Non Inductive)

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

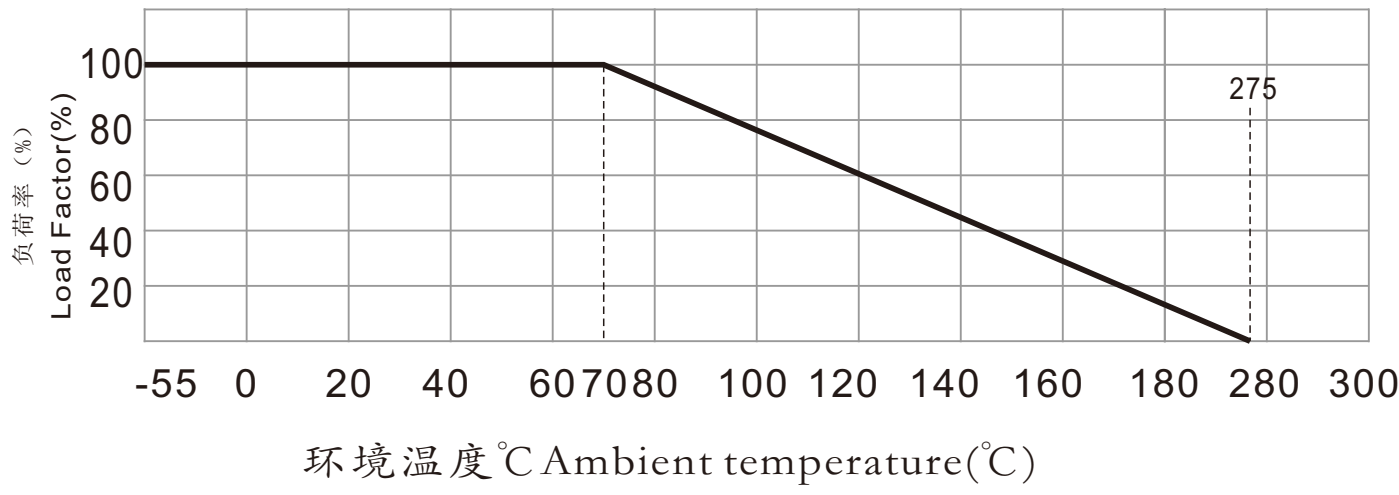


规格 Type	功率 Power	阻值范围 Resistance Range (Ω)	尺寸Dimensions(mm)				
			L±1.0	D±0.5	H±3.0	d±0.05	t Max
KNR14	1/4W	0.1~50Ω	7.0	2.5	20.0	0.40	1.5
KNR12	1/2W	0.1~100Ω	9.0	3.2	26.0	0.55	2.0
KNR01	1W	0.1~100Ω	11.0	4.0	26.0	0.65	2.5
KNR02	2W	0.1~100Ω	15.0	4.5	34.0	0.70	2.5
KNR03	3W	0.1~100Ω	18.0	6.0	32.0	0.75	2.5
KNR05	5W	0.1~200Ω	22.0	7.0	35.0	0.75	2.5
KNR06	6W	0.1~500Ω	22.0	8.0	28.0	0.75	2.5
KNR07	7W	0.1~1KΩ	22.0	8.0	28.0	0.8	2.5
KNR08	8W	0.1~1KΩ	41.0	8.0	28.0	0.8	2.5
KNR10	10W	0.3~1KΩ	52.0	8.0	28.0	0.8	2.5

注意：标准型产品请选择RWS，超小型产品选择RSS，高压脉冲型选择HVS,更多产品需求
请向我们的工程师咨询kwx@kwxcom.com
For standard products please choose RWS, for mini products, please choose RSS, for high voltage
pulse use, please choose HVS, more details please email to our engineer, kwx@kwxcom.com.

额定温度下降曲线图 Derating Curve

DERATING CURVE
额定功率下降曲线



KNR 线绕无感电阻器 WIRE WOUND RESISTOR(Non Inductive)

● 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

KNR	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	