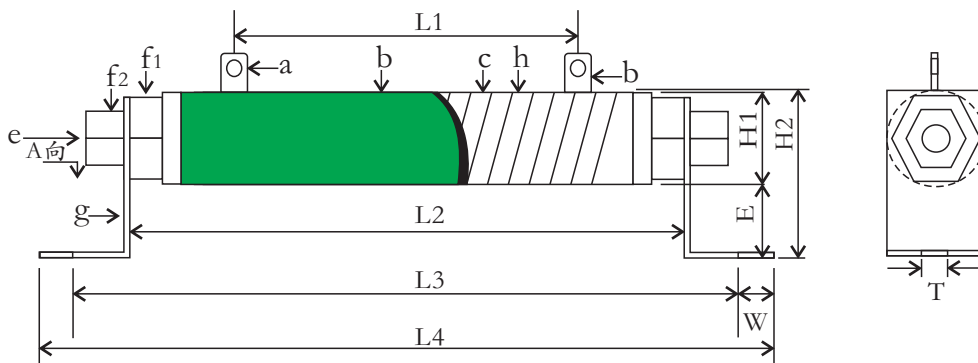




特性 Feature

- I 电阻表面被釉，抗污染性强，耐化学气体侵蚀、绝缘度高，耐湿耐温，可在恶劣环境下使用。
Surface glazed, won't be easily polluted or eroded by chemistry gas, high insulating capacity, can resist humidity and heat well, can be used in the atrocious environment.
- II 过负荷能力强，热稳定性好，使用寿命长、耐高压。
Good overload and heat durability capacity, the useful time is longer than the others, withstand high voltage.
- III 精度范围 Resistance tolerance: $\pm 5\%$ 、 $\pm 10\%$

结构图 Construction



ad	b	c	e	f ₁ 、f ₂	g	h
接线端子	耐高压绝缘陶瓷釉覆盖层	合金丝	环氧螺杆	环氧配件	镀锌支架	高铝瓷管
Terminal block	High voltage insulation ceramic glaze covering	Alloy wire	Epoxy screw	Epoxy accessories	Zinc plating support	Alumina porcelain

规格尺寸 Specifications and Dimensions

料号 Part No.	功率 Power	阻值范围 Resistance range	外形尺寸 (mm) Dimensions								
		固定型 Fixed type	L1	L2	L3	L4	H1	H2	W	T	E
KNU100	100W	5R1-100K	190±2	215±2	275±2	325±2	30±2	60±2	14±1	6.5±1	15±1
KNU200	200W	5R1-100K	245±2	265±2	315±2	320±2	30±2	60±2	14±1	6.5±1	15±1
KNU300	300W	5R1-200K	225±2	250±2	300±2	360±2	42±2	80±2	20±1	7±1	20±1
KNU400	400W	5R1-200K	275±2	300±2	350±2	410±2	52±2	90±2	20±1	7±1	20±1
KNU500	500W	5R1-200K	305±2	330±2	380±2	440±2	52±2	90±2	20±1	7±1	20±1

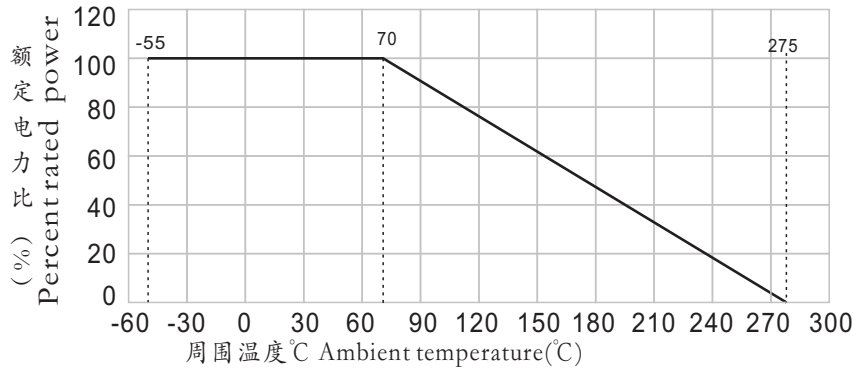
备注:具体规格尺寸可以根据客户的需求制作，同时也可以制作一管多个阻值，也可按客户要求取消固定支架。
Note: We can according customer requirements to customize the specification and dimension, also can product multiple resistance value of one ceramic tube or cancel the fixed plank.

参考规格 Reference Standards

JIS C 5201-1

额定温度下降曲线图 Derating Curve

例 Example



性能 Performance

试验项目 Test Items	性能 Performance	试验方法 Test Methods(JIS C 5201-1)
温度系数 Temperature coefficient	$\pm 250\text{ppm}/^\circ\text{C}$	在常温及常温+100°C时分别测量电阻并计算每度的阻值变化率。 Test resistance value at normal temperature and normal temperature added 100°C, calculate °C resistance value change rate.
短时间负荷 Short-time overload	$\Delta R \leq \pm (2\%R_0 + 0.05\Omega)$	施加10倍额定功率或最高负荷电压(取较小者)5秒。 According 10 times rated power to account the power or max. overload voltage(get the lower) for 5seconds.
耐焊接热 Resistance to soldering heat	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$	在350±10°C的锡炉中浸入2~3秒。 Immerge into the 350±10°C tin stove for 2~3 seconds
可焊性 Solderability	焊锡面积覆盖率95%以上 Tth soldering area is over 98%	在245±3°C的锡炉中浸入2~3秒。 Immerge into the 245±3°C tin stove for 2~3 seconds
温度循环 Temperature cycle	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$	在-55°C时放置30分钟,然后在+25°C时放置10~15分钟,然后再在+155°C时放置30分钟,然后在25°C时放置10~15分钟,共循环5次。At-55°C for 30min, then at +25°C for 10~15min, then at +155°C for 30min, then at +25°C for 10~5 min, total 5cycles.
耐湿负荷寿命 Load life in humidity	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$	在温度为40±2°C,相对湿度为90~95%的恒温恒湿箱中,施加额定电压或最大工作电压(取较小者)共1000小时(通1.5小时,断0.5小时)。Overload rated voltage or Max.working voltage(get the lower) for 1000hours(1.5hours on and half-hour off) at the 40±2°C and 90~95% relative humidity.
耐温负荷寿命 Load life in heat	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$	在70±2°C恒温恒湿箱中施加额定电压或最大工作电压(取较小者)共1000小时(通1.5小时,断0.5小时)。Overload rated voltage or Max.working voltage(get the lower) for 1000hours(1.5hours on and half-hour off) at the 70±2°C.
不燃性 Nonflammability	不可有明显火焰 No visible flame	分别按5、10、16倍额定功率加交流负荷5分钟。 Respectively load AC voltage by 5,10,16 times rated power for 5 minutes.
绝缘耐压 Withstand voltage	DC≥3500V无击穿	耐压测试仪,测量接线端与电阻体之间的绝缘强度。 Pressure testre, measurement according to be line end and resistance body between the dielectric strength

料号编号 Ordering Information

例 example

KNU	300	J	O	D002	10R00
产品名称 Product Name	功率Power	精度 Tol	特殊码 Special Code	图纸号 Drawing No.	阻值Ohm
被釉功率瓷管电阻器 Glaze High Power Ceramic Tube Resistors	100=100W 200=200W 300=300W 400=400W 500=500W	J=±5% K=±10%			0R100=0.1Ω 0R200=0.22Ω 10R00=10Ω 10K00=10KΩ