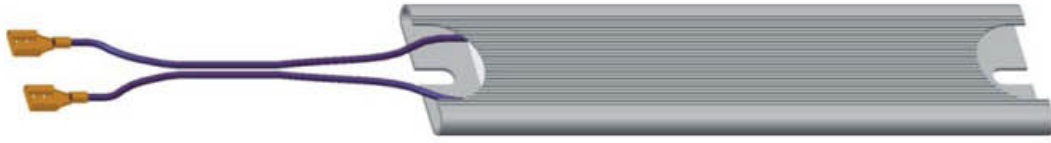
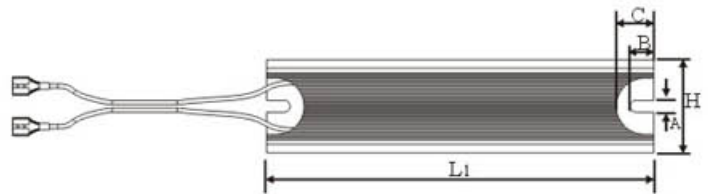
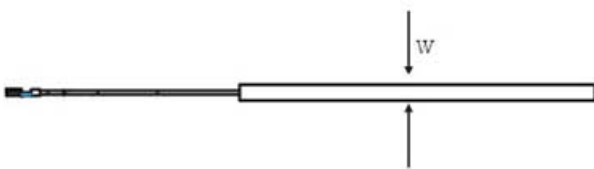


# Ultra-Thin Aluminum Housed Power Resistor



## ●特点 Features:

- 1、金属铝壳包封，散热性能好、适合散热板安装，可长期在恶劣环境下使用。 Aluminum crust surface with good performance in heat radiation,suitable for cooling plate installation,can be used in the atrocious environment
- 2、体积小、功率负荷大 Small size,high power load.
- 3、绝缘性高，采用阻燃无机材料一体化封装，抗振性好。 High insulating capacity,encapsulation by non-flame inorganic Material, good performance in vibration.
- 4、多种接线方式，便于安装 Multi connection form will be easily to fix.
- 5、广泛用于电源、变频器、电梯、舞台音响及高端设备行业。 Widely used in power supply, Transducer, Elevator, Arena audio and high requirement equipment Industry.
- 6、精度范围 Resistance tolerance:  $\pm 1\%$ 、 $\pm 2\%$ 、 $\pm 5\%$ 、 $\pm 10\%$ 。

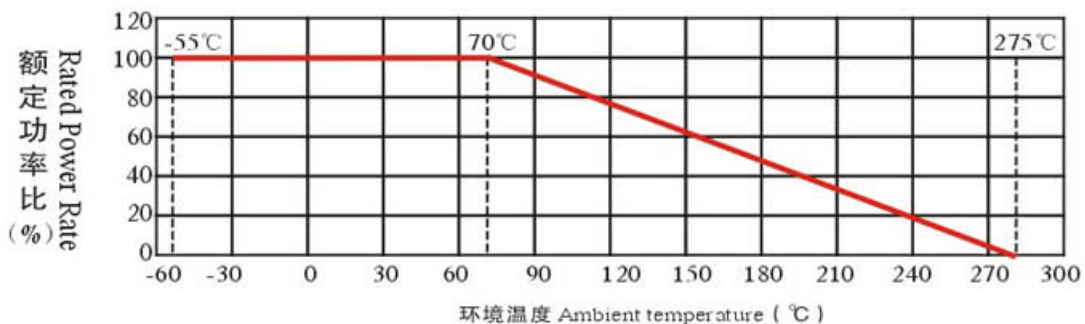


## ●规格尺寸 Specifications and Dimensions:

料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions (mm)						最高使用电压 Max. Working voltage	最高负荷电压 Max. Overload voltage	耐电压 Withstand voltage
			L1 $\pm 2$	H $\pm 1$	W $\pm 1$	A $\pm 0.5$	B $\pm 1$	C $\pm 0.5$			
UTA50B	50W	1R-10K	115	40	7	5	10	20	700V	700V	450V
UTA100	100W	1R-10K	165	40	7	5	10	20	1000V	1000V	600V
UTA150	150W	1R-10K	210	40	7	5	10	20	1200V	1200V	750V
UTA200	200W	1R-10K	255	40	7	5	10	20	1200V	1200V	750V

备注 Remark: 功率及尺寸可以根据客户的要求定做 The Power and dimension can de especially customized for customers。

## ●降功耗曲线图 Rated Power Derating Curve:





## ●性能测试 Performance Test:

测试项目 Test Item	测试条件 Test Condition	性能 Performance
温度系数 Temperature coefficient	在常温及常温+100℃分别测量电阻值并计算每度的阻值变化率。Test the resistance value at normal temperature and normal temperature added 100℃, calculate per℃ resistance value change rate.	±300ppm/℃
短时间过负荷 Short time overload	施加10倍额定功率的电压或最高负荷电压(取较小者)5秒。According 10 times rated power to account the voltage or max. overload voltage (get the lower) for 5 seconds.	$\Delta R \leq \pm(2\%R_0 + 0.05 \Omega)$
耐焊接热 Resistance to soldering heat	在 $350 \pm 10^\circ\text{C}$ 的锡炉中浸入2-3秒。 Immerse into the $350 \pm 10^\circ\text{C}$ tin stove for 2~3 seconds	$\Delta R \leq \pm(1\%R_0 + 0.05 \Omega)$
可焊性 Solderability	在 $235 \pm 3^\circ\text{C}$ 的锡炉中浸入2-3秒。 Immerse into the $245 \pm 3^\circ\text{C}$ tin stove for 2~3 seconds	焊锡面积覆盖率95%以上 The soldering area is over 95%
温度循环 Temperature cycling	在-55℃时放置30分钟,然后在+25℃时放置10-15分钟,然后再在+155℃时放置30分钟,然后再在+25℃时放置10-15分钟,共循环5次。At -55℃ for 30 min, then at +25℃ for 10~15 min, then at +155℃ for 30 min, then at +25℃ for 10~15 min, total 5 cycles.	$\Delta R \leq \pm(1\%R_0 + 0.05 \Omega)$
耐湿负荷寿命 Loadlife in humidity	在温度为 $40 \pm 2^\circ\text{C}$ ,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 1000 hours (1.5 hours on and half-hour off) at the $40 \pm 2^\circ\text{C}$ and 90~95% relative humidity	$\Delta R \leq \pm(5\%R_0 + 0.05 \Omega)$
耐温负荷寿命 Loadlife in heat	在 $70 \pm 2^\circ\text{C}$ 恒温恒湿箱中施加额定电压或最大工作电压(取较小者)1000小时(通1.5小时,断0.5小时)。Overload rated voltage or Max. Working voltage (get the lower) for 1000 hours (1.5 hours on and half-hour off) at the $70 \pm 2^\circ\text{C}$ .	$\Delta R \leq \pm(5\%R_0 + 0.05 \Omega)$
引出端强度 Terminal strength	拉力 Pull: 10N。	$\Delta R \leq \pm(2\%R_0 + 0.1 \Omega)$
振动 Vibration	频率Frequency: 10~55Hz, 振幅Swing: 0.75mm, 测试时间Test time: 6Hours	$\Delta R \leq \pm(2\%R_0 + 0.1 \Omega)$
不燃性 Nonflammability	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.	不可有明显火焰 No visible flame

## ●料号规则 Part No. Regulation:

UTA	60B	J	O	B001	10R00
产品名称 Produce Name	功率 Power	精度 TOL.	特殊码 Special Code	成型 Forming	阻值 Ohm
Ultra-Thin Aluminum Housed Power Resistor	40B=40W 100=100W A00=1000W A20=1200W A50=1500W A80=1800W	F=±1% G=±2% J=±5% K=±10%		B001=B	0R100=0.1Ω 0R220=0.22Ω 10R00=10Ω 100R=100Ω 10K00=10KΩ