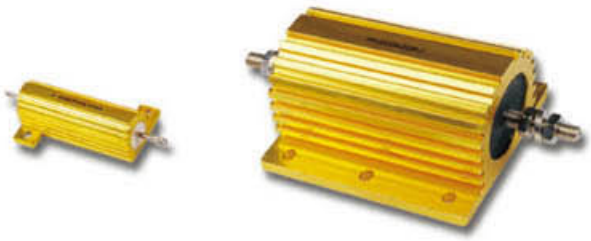
Gold Aluminum Housed Power Resistors(RH)

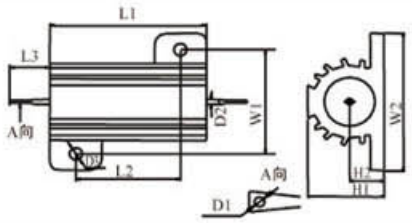


●特点 Features:

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：±1%、±2%、±5%、±10%。

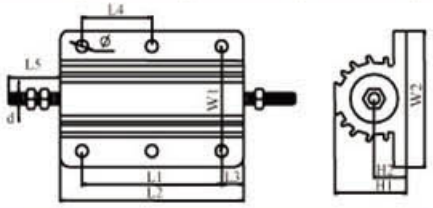
●电压性能 Voltage Performance:

料号 Part No.	功率 Power	最高使用电压 Max.working voltage	最高负荷电压 Max.overload voltage	耐电压 Withstand voltage
RH05B	5W	350V	350V	500V
RH10B	10W	150V	150V	600V
RH25B	25W	200V	200V	800V
RH30B	30W	220V	220V	800V
RH50B	50W	300V	300V	800V
RH75B	75W	400V	400V	1000V
RH100	100W	600V	600V	1000V
RH150	150W	800V	800V	1200V
RH200	200W	1000V	1000V	1500V
RH250	250W	1200V	1200V	1800V
RH300	300W	1500V	1500V	2200V
RH500	500W	1600V	1600V	2300V



●规格尺寸 Specifications and Dimensions:

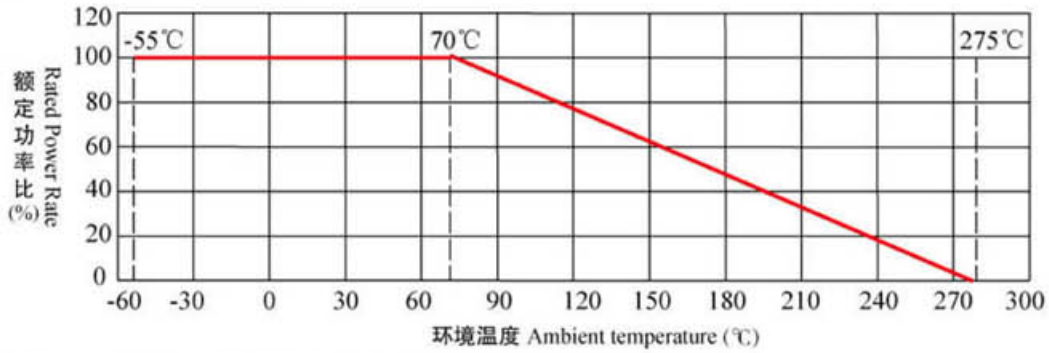
料号 Part No.	功率 Power	尺寸 Dimensions (mm)										阻值范围 Resistance range
		L1±1	L2±1	L3±1	W1±1	W2±1	H1±1	H2±1	D1±0.5	D2±0.1	D3±0.5	
RH05B	5W	15.5	11.0	26.0	12.0	16.0	8.5	4.4	1.5	1.5	2.4	0R01-1K
RH10B	10W	20.0	14.0	9.0	16.0	21.0	10.0	5.0	2.0	2.0	2.5	0R0R-1K5
RH25B	25W	28.0	18.0	11.0	20.0	27.0	14.0	7.0	2.0	2.0	3.5	0R01-10K
RH30B	30W	34.0	25.0	11.0	21.5	29.0	15.5	7.3	2.0	2.0	3.5	0R01-27K
RH50B	50W	50.0	40.0	11.0	21.5	29.0	15.5	7.3	2.0	2.0	3.5	0R01-33K



●规格尺寸 Specifications and Dimensions:

料号 Part No.	功率 Power	尺寸 Dimensions (mm)										阻值范围 Resistance range
		L1±2	L2±2	L3±1	L4±1	L5±2	W1±2	W2±2	H1±1	H2±1	d±0.5	Φ±0.5	
RH75B	75W	29.0	51.0	10.0		15.0	37.0	48.0	26.0	11.5	4.0	4.4	0R01-39K
RH100	100W	35.0	66.0	10.0		15.0	37.0	48.0	26.0	12.0	4.0	4.4	0R01-51K
RH150	150W	58.0	100.0	20.0		15.0	37.0	48.0	26.0	12.0	4.0	4.4	0R01-56K
RH200	200W	70.0	91.0	10.0	35.0	20.0	57.0	71.0	45.0	20.0	6.0	5.2	0R01-62K
RH250	250W	90.0	110.0	10.0	45.0	20.0	57.0	71.0	45.0	20.0	6.0	5.2	0R01-68K
RH300	300W	104.0	130.0	10.0	52.0	20.0	57.0	71.0	45.0	20.0	6.0	5.2	0R01-75K
RH500	500W	174.0	204.0	15.0	87.0	20.0	57.0	71.0	45.0	20.0	6.0	5.2	0R01-82K

●额定功率递减图 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℃时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.	±100ppm/℃ – ±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.	ΔR ≤ ±（2%R_0+0.05Ω）
耐焊接热 Resistance to soldering heat	在350±10℃的锡炉中浸入2～3秒。 Immerge into the 350±10℃ tin stove for 2~3 seconds.	ΔR ≤ ±（1%R_0+0.05Ω）
可焊性 Solderability	在245±3℃锡炉中浸入2～3秒。 Immerge into the 245±3℃ 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+275℃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 +275℃ for 30 min, then at +25℃ for 10~15 min, total 5 cycles.	ΔR ≤ ±（1%R_0+0.05Ω）
耐湿负荷寿命 Load life in humidity	在温度为40±2℃，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±2℃ and 90～95% relative humidity.	ΔR ≤ ±（5%R_0+0.05Ω）
耐温负荷寿命 Load life in heat	在70±2℃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±2℃.	ΔR ≤ ±（5%R_0+0.05Ω）
引出端强度 Terminal strength	拉力 Pull：10N。	ΔR ≤ ±（2%R_0+0.1Ω）
振动 Vibration	频率Frequency: 10~55Hz，振幅Swing: 0.75mm，测试时间Test time: 6Hours	ΔR ≤ ±（2%R_0+0.1Ω）
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 mninutes.	不可有明显火焰 No visible flame

●料号规则 Part No. Regulation：

RH	50B	J	0	B001	10R00
产品名称 Product Name	功率 Power	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
Gold Aluminum Housed Power Resistors	05B = 5W　10B = 10W 25B = 25W　30B = 30W 50B = 50W　75B = 75W 100 = 100W　150 = 150W 200 = 200W　250 = 250W 300 = 300W　500 = 500W	F = ±1% G = ±2% J = ±5% K= ±10%		B001 = B	0R100 = 0.1Ω 0R220 = 0.22Ω 10R00 = 10Ω 100R0 = 100Ω 10K00 = 10KΩ