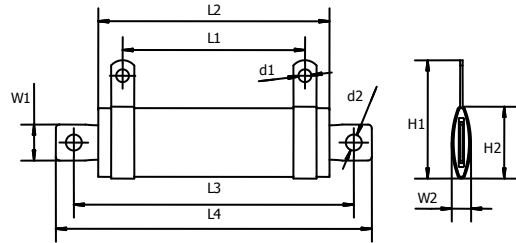




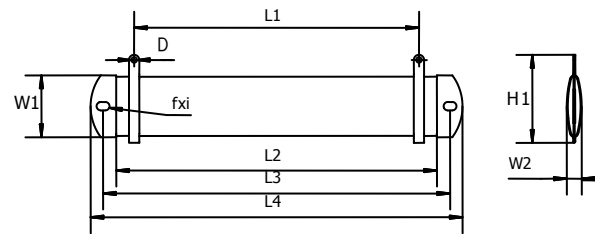
●特点 Features:

- 1、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 by chemistry gas, high insulating capacity, can resist humidity and heat well, can be used in the atrocious environment.
- 2、过负荷能力强，热稳定性好，使用寿命长。Good overload and heat-durability capacity, the use life is longer than the others.
- 3、精度范围 Resistance tolerance:  $\pm 5\%$ 、 $\pm 10\%$ 。

FHR10W-200W:



FHR250W-850W:



●规格尺寸及耐压性能 Dimensions and Voltage Performance:

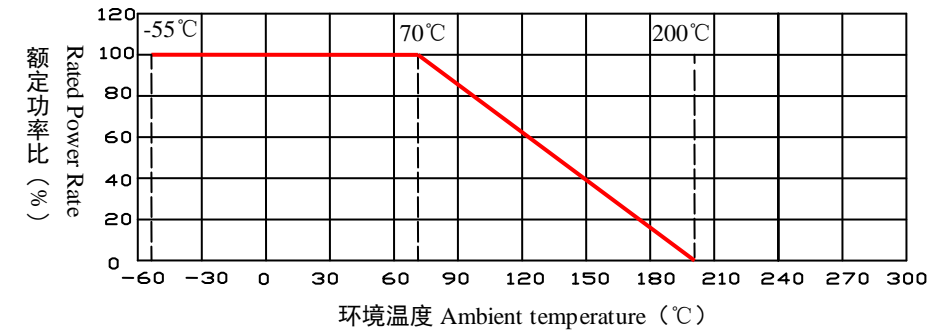
料号 Part No.	功率 Power	尺寸 Dimensions(mm)										阻值范围 Resistance range
		L1 $\pm 1$	L2 $\pm 1$	L3 $\pm 1.5$	L4 $\pm 3$	H1 $\pm 2$	H2 $\pm 1$	W1 $\pm 0.5$	W2 $\pm 1.5$	d1 $\pm 0.3$	d2 $\pm 0.5$	
FHR10B	10W	31	40	59	73	37	27	14	8	3	6.2	0R1~5K
FHR15B	15W	31	40	59	73	37	27	14	8	3	6.2	0R1~7K
FHR20B	20W	41	50	69	83	37	27	14	8	3	6.2	0R1~10K
FHR25B	25W	41	50	69	83	37	27	14	8	3	6.2	0R1~10K
FHR30B	30W	45	60	79	93	37	27	14	8	3	6.2	0R1~11K
FHR40B	40W	55	70	89	103	37	27	14	8	3	6.2	0R1~13K
FHR50B	50W	75	90	109	123	37	27	14	8	3	6.2	0R1~18K
FHR60B	60W	75	90	109	123	37	27	14	8	3	6.2	0R1~18K
FHR70B	70W	85	100	119	133	37	27	14	8	3	6.2	0R1~21K
FHR80B	80W	85	100	119	133	37	27	14	8	3	6.2	0R1~21K
FHR90B	90W	110	120	139	153	37	27	14	8	3	6.2	0R1~27K
FHR100	100W	130	140	159	173	37	27	14	8	3	6.2	0R1~32K
FHR150	150W	140	150	169	183	37	27	14	8	3	6.2	0R1~35K
FHR200	200W	170	180	199	213	37	27	14	8	3	6.2	0R1~42K

●规格尺寸及耐压性能 Dimensions and Voltage Performance:

料号 Part No.	功率 Power	尺寸 Dimensions(mm)									阻值范围 Resistance range
		L1 $\pm 1$	L2 $\pm 1$	L3 $\pm 1.5$	L4 $\pm 3$	H1 $\pm 3$	W1 $\pm 1$	W2 $\pm 1.5$	D $\pm 0.5$	fxi	
FHR250	250W	226	250	270	290	75	48	12.5	4.2	6.5 $\times 10$	0R1~97K
FHR300	300W	246	270	290	310	75	48	12.5	4.2	6.5 $\times 10$	0R1~106K
FHR350	350W	160	210	247	274	114	81	26	5.3	6.5 $\times 12$	0R1~119K
FHR400	400W	210	260	297	324	114	81	26	5.3	6.5 $\times 12$	0R1~159K
FHR500	500W	270	320	357	384	114	81	26	5.3	6.5 $\times 12$	0R1~207K
FHR600	600W	340	390	427	454	114	81	26	5.3	6.5 $\times 12$	0R1~262K
FHR700	700W	390	440	477	504	114	81	26	5.3	6.5 $\times 12$	0R1~302K
FHR850	850W	440	490	527	554	114	81	26	5.3	6.5 $\times 12$	0R1~341K

备注 Note: 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。We can according to customer's requirement to customize the specification and dimension, also can produce multiple resistance values of one ceramic tube or cancel the fixed plank.

●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°C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 added 100°C, calculate per °C resistance value rate.	$\pm 300\text{ppm}/^\circ\text{C}$
短时间过负荷 Short time overload	施加 10 倍额定功率的电压 ( $\sqrt{10}\text{PR}$ ) 或最高负荷电压 (取较小者) 5 秒。According 10 times rated power to account the voltage ( $\sqrt{10}\text{PR}$ ) 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。Immerge 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 $260 \pm 5^\circ\text{C}$ 的锡炉中浸入 2~3 秒。Immerge into the $260 \pm 5^\circ\text{C}$ tin stove for 2~3 seconds.	焊锡面积覆盖 95% 以上 The area of soldering is over 95%
温度循环 Temperature cycling	在 $-55^\circ\text{C}$ 时放置 30 分钟, 然后再 $+25^\circ\text{C}$ 时放置 10~15 分钟, 然后再在 $+275^\circ\text{C}$ 时放置 30 分钟, 然后再在 $+25^\circ\text{C}$ 时放置 10~15 分钟, 共循环 5 次。At $-55^\circ\text{C}$ for 30 min, then at $+25^\circ\text{C}$ for 10~15 min, then at $+275^\circ\text{C}$ for 30 min, then at $+25^\circ\text{C}$ for 10~15 min, total 5 cycles.	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$
耐湿负荷寿命 Load life 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-hours 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 Load life 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-hours off) at the $70 \pm 2^\circ\text{C}$ .	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$
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 min.	不可有明显火焰 No visible flame

●料号规则 Part No. Regulation:

FHR	50B	J	0	AP01	10R00
产品名称 Product Name	功率 Power	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
扁式功率瓷管电阻器 Flat Type High Power Ceramic Tube Resistors	10B=10W 20B=20W 30B=30W 50B=50W 70B=70W 95B=95W	J= $\pm 5\%$ K= $\pm 10\%$			0R100=0.1 $\Omega$ 0R220=0.22 $\Omega$ 10R00=10 $\Omega$ 10K00=10K $\Omega$