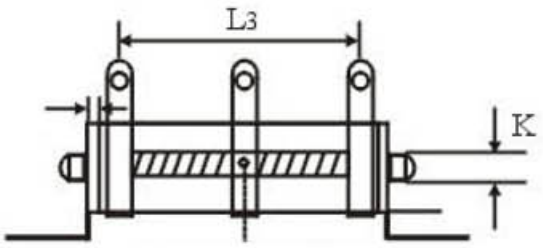
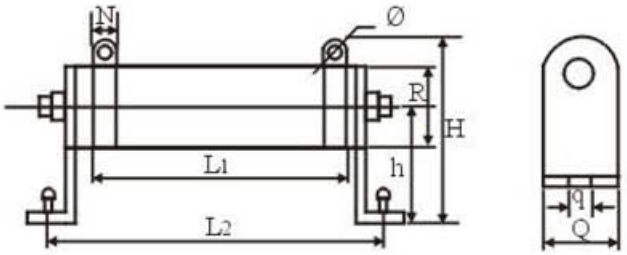
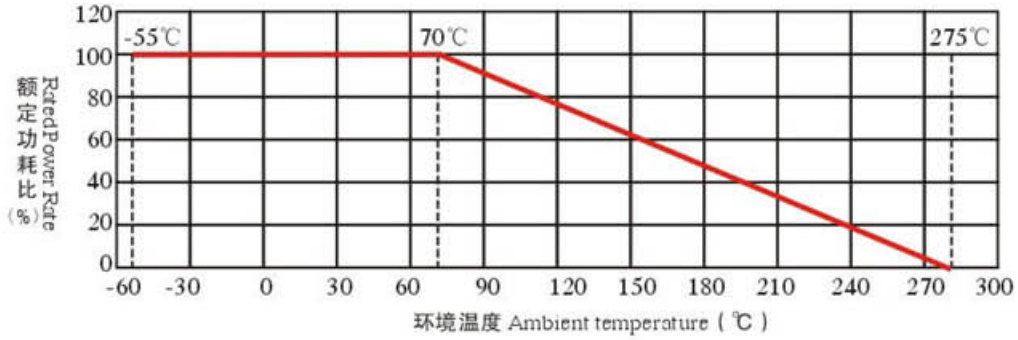
High Power Wirewound Resistor(HPR)





功率 Power	阻值范围 Resistance range	阻值精度 Resistance Toletance	温度系数 PPM/℃	尺 寸 (mm) Rimensions(mm)										
				R±1	L1±3	L2±3	h±3	H±3	N±1	Ø±1	q±1	Q±1	K±1	L3±2
10W	0.12Ω-12KΩ	±5%	±250	15	45	61	20	40	6	3	4.5	15	6	20
15W	0.12Ω-15KΩ	±5%	±250	17	45	61	20	40	6	3	4.5	15	6	20
20W	0.12Ω-20KΩ	±5%	±250	17	50	78	26	52	6	3	5	20	6	30
30W	0.12Ω-25KΩ	±5%	±250	20	70	100	26	52	6	3	5	20	6	38
40W	0.12Ω-30KΩ	±5%	±250	21.5	90	115	26	52	6	3	5	20	6	48
50W	0.12Ω-40KΩ	±5%	±250	28	90	115	30	65	9	4	6	27	7	60
70W	0.2Ω43KΩ	±5%	±250	28	140	166	30	65	9	4	6	27	7	105
80W	0.3Ω-50KΩ	±5%	±250	28	140	166	30	65	9	4	6	27	7	105
100W	0.5Ω-60KΩ	±5%	±250	28	170	200	30	65	9	4	6	27	7	130
150W	1Ω-80KΩ	±5%	±250	28	215	241	30	65	9	4	6	27	7	170
200W	1.3Ω-100KΩ	±5%	±250	28	267	290	30	65	9	5	6	27	7	210
250W	1.8Ω-120KΩ	±5%	±250	28	300	330	30	65	9	5	6	27	7	250
300W	2.2Ω-150KΩ	±5%	±250	40	265	330	46	90	10	5	6	39	8	210
350W	2.7Ω-130Ω	±5%	±250	35	300	330	46	90	10	5	6	39	8	250
400W	3.3Ω-180KΩ	±5%	±250	40	328	360	46	90	10	5	6	39	8	270
500W	3.9Ω-200KΩ	±5%	±250	50	400	368	45	90	10	5	8	49	9	330
600W	4.3Ω-220KΩ	±5%	±250	50	430	438	45	90	10	5	8	49	9	350
700W	4.3Ω-240KΩ	±5%	±250	50	430	498	45	90	10	5	8	49	9	350
1000W	4.7Ω-47KΩ	±5%	±250	60	430	485	64	130	15	5	6	59	9	350
2000W	5.1Ω-51KΩ	±5%	±250	70	430	490	76	145	15	5	8	69	9	350
3000W	5.1Ω-100KΩ	±5%	±250	100	430	490	76	145	15	5	8	69	10	350
4000W	4.7Ω-47KΩ	±5%	±250	110	430	490	64	130	15	5	6	49	10	350
5000W	5.1Ω-51KΩ	±5%	±250	120	430	490	64	130	15	5	6	49	10	350
10000W	5.1Ω-100KΩ	±5%	±250	150	615	641	130	365	30	8	10	150	10	350

● 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。	±350ppm/℃
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	△R≤±(2%R。+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	△R≤±(1%R。+0.05Ω)
可焊性 Solderadility	在235±3℃的锡炉中浸入2-3秒。 Immerge into the 235±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+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.	△R≤±(1%R。+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	△R≤±(5%R。+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. Wording voltage (get hhe lower) for 1000 hours(1.5 hours on and half-hour off) at the 70±2℃。	△R≤±(5%R。+0.05Ω)
难燃性 Nonflammability	分别按5、10、16倍额定功率加交流负荷5分钟。Respectively load AC voltage by5、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:

HPR	50B	J	O	D002	10R00
产品名称Produce Name	功率Power	精度T01.	特殊码 Special Code	图纸号 Drawing No.	阻值 Ohm
High power wirewound resistors	25B=25W 50B=50W 100=100W 500=500W A00=1000W A50=1500W B00=2000W	J=±5% K=±10%			0R100=0.1Ω 0R220=0.22Ω 10R00=10Ω 100R0=100Ω 10K00=10KΩ