

RX27瓷壳线绕电阻器

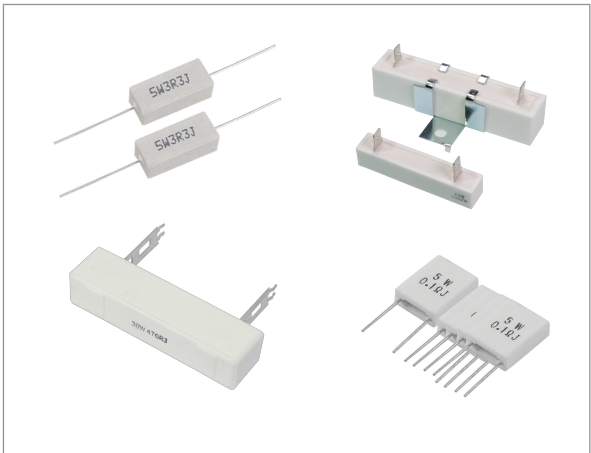
RX27 Porcelain Housing Wire Wound Resistor



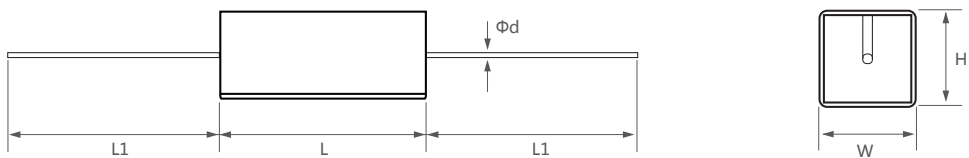
产品简述 (Product Profile)

水泥电阻是将线绕电阻芯放入不同尺寸和形状的陶瓷壳内部，用特殊不燃性耐热水泥电子填充料密封，经自然阴干后高温烘烤而成，高阻值采用金属氧化膜电阻芯，具有体积小、耐湿、耐热及良好的散热性能。

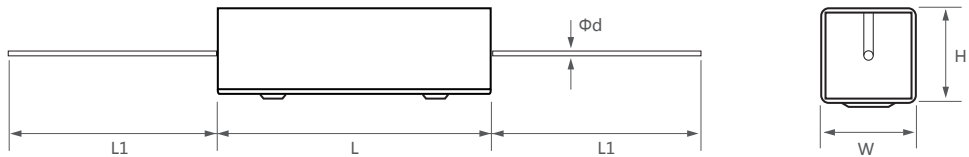
Resistors are made by placing wire wound resistor cores inside ceramic shells of different sizes and shapes, sealing them with special non combustible and heat-resistant electronic fillers, and baking them at high temperatures after natural drying. High resistance resistor cores are made of metal oxide films, which have small size, moisture resistance, heat resistance, and good heat dissipation performance.



RX27-1 产品尺寸图 (RX27-1 Product Size)



2W~25W产品尺寸图 2W~25W Product Size

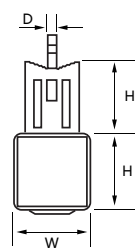
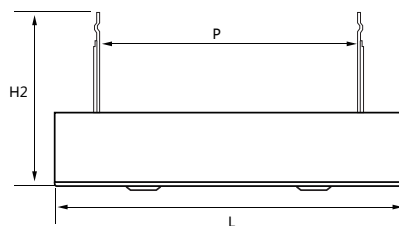
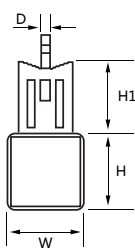
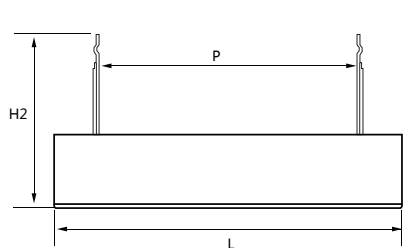


30W~50W产品尺寸图 30W~50W Product Size

型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)					阻值范围 Resistance Range (Ω)		阻值公差 Optional accuracy range
		L±2	L1±2	W±1	H±1	Φd±0.1	线绕芯 Wire wound core	电阻膜 Resistive Film	
RX27-1	2.0	17.5	22	6.5	6.5	0.7	1.0~390	390~100K	F (±1%) G (±2%) J (±5%) K (±10%)
RX27-1	3.0	22	22	8.0	8.0	0.7	0.1~680	680~100K	
RX27-1	5.0	22	22	10	9.0	0.7	0.1~680	680~100K	
RX27-1	7.0	35	22	10	9.0	0.7	0.1~1K5	1K~100K	
RX27-1	10	48	22	10	9.0	0.7	0.1~2K4	1K~100K	
RX27-1	15	48	22	12.5	12.5	0.7	0.1~9K1	1K~100K	
RX27-1	20	63.5	22	12.2	12.5	0.7	0.1~12K	1K~100K	
RX27-1	25	63.5	22	12.2	12.5	0.7	0.1~12K	1K~100K	
RX27-1	30	75	30	19	19	0.78	0.1~15K	1K~100K	
RX27-1	50	90	30	19	19	0.78	0.1~20K	1K~100K	

- 1.各种尺寸，规格，电阻值可接受定制。(Vs, specifications, rarious sizeesistance values can be customized.)
- 2.额定功率将受到工作电压的影响。(The rated power will be affected by the working voltage.)

RX27-3 产品尺寸图 (RX27-3 Product Size)

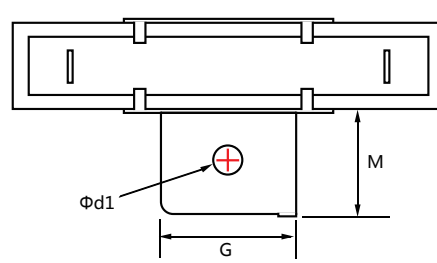
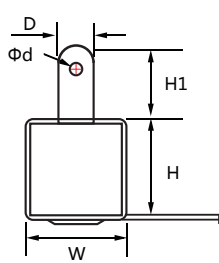
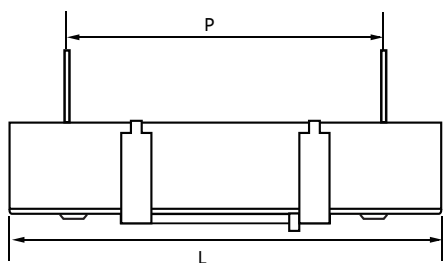


5W~20W产品尺寸图 5W~20W Product Size

30W~100W产品尺寸图 30W~100W Product Size

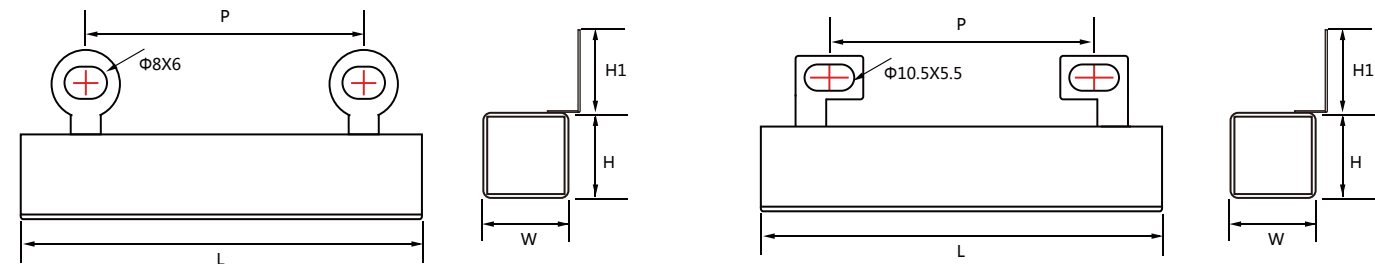
型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)							阻值公差 Optional accuracy range
		L±1	W±1	H±1	H1±1	H2±1	P±2	D±0.1	
RX27-3	5.0	28	10	10	10.5	25	15	1.5	F (±1%) G (±2%) J (±5%) K (±10%)
RX27-3	7.0	35	10	10	10.5	25	20	1.5	
RX27-3	10	48	10	10	10.5	25	35	1.5	
RX27-3	15	48	12.5	12.5	15	33	35	3	
RX27-3	20	63	12.5	12.5	15	33	42	3	
RX27-3	30	76	19	19	12	35	55	3	
RX27-3	50	90	19	19	12	35	65	3	
RX27-3	80	108	19	19	12	35	85	3	
RX27-3	100	135	24	24	10	40	115	3	

RX27-4H 产品尺寸图 (RX27-3 Product Size)



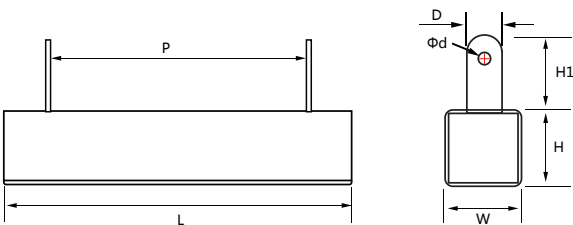
型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)										阻值公差 Optional accuracy range
		L±1	W±1	H±1	H1±1	P±2	D±0.1	Φd±0.3	Φd1±0.3	G±2	M±2	
RX27-4H	10	48	10	10	11	33	5	3	4	12	12	F (±1%) G (±2%) J (±5%) K (±10%)
RX27-4H	15	48	12.5	12.5	11	33	5	3	4	12	12	
RX27-4H	20	63.5	12.5	12.5	11	45	5	3	4	12	12	
RX27-4H	30	76	19	19	12	55	8	3	4	19	19	
RX27-4H	50	90	19	19	12	65	8	3	4	19	19	
RX27-4H	80	108	19	19	12	90	8	3	4	19	19	

RX27-4L 产品尺寸图 (RX27-4L Product Size)

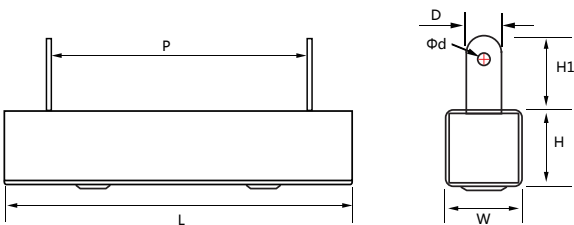


型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)					阻值范围 Resistance Range (Ω)	阻值公差 Optional accuracy range
		L±2	W±1	H±1	H1±1	P±2		
RX27-4L	10	48	13	13	13	28	1K~1M	J (±5%) K (±10%)
RX27-4L	20	63	13	13	13	45	1K~1M	

RX27-4 产品尺寸图 (RX27-4 Product Size)



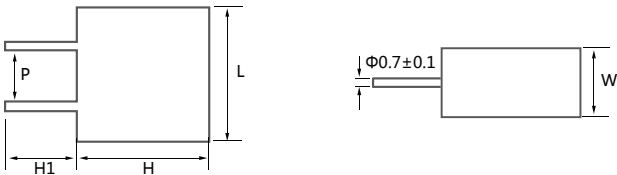
10W~20W产品尺寸图 10W~20W Product Size



30W~100W产品尺寸图 30W~100W Product Size

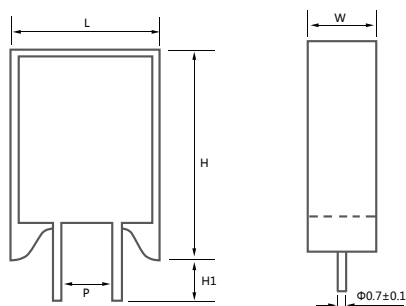
型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)							阻值公差 Optional accuracy range
		L±1	W±1	H±1	H1±1	P±2	D±0.5	Φd±0.3	
RX27-4	10	48	10	10	11	33	5	3	F (±1%) G (±2%) J (±5%) K (±10%)
RX27-4	15	48	12.5	12.5	11	33	5	3	
RX27-4	20	63	12.5	12.5	11	45	5	3	
RX27-4	30	76	19	19	12	55	8	3	
RX27-4	50	90	19	19	12	65	8	3	
RX27-4	80	108	19	19	12	90	8	3	
RX27-4	100	135	24	24	14	114	8	3	

RX27-6 产品尺寸图 (RX27-6 Product Size)

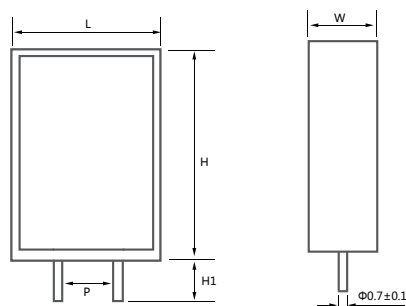


型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)					阻值范围 Resistance Range (Ω)	阻值公差 Optional accuracy range
		L±2	W±1	H±1	H1±1	P±2		
RX27-6	5.0	15	5.5	18	13	9	0.1~100	J (±5%) K (±10%)

■ RX27-5 产品尺寸图 (RX27-5 Product Size)



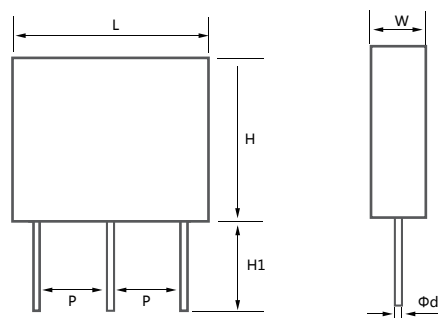
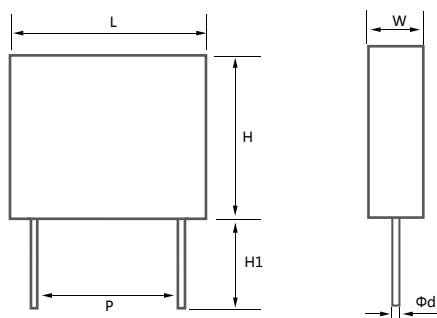
2W~10W产品尺寸图 2W~10W Product Size



15W~20W产品尺寸图 15W~20W Product Size

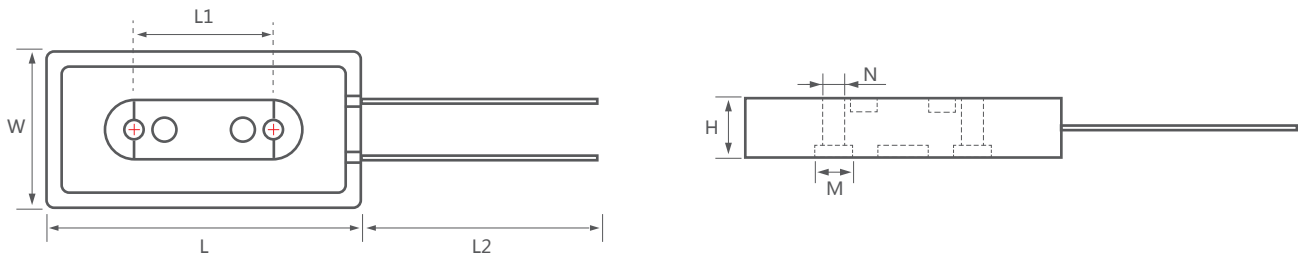
型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)					阻值范围 Resistance Range (Ω)		阻值公差 Optional accuracy range
		L±1	W±1	H±1	H1±1	P±1	线绕芯 Wire wound core	电阻膜 Resistive Film	
RX27-5	2.0	11	7	20.5	10	5	0.5~1K	390~100K	F (±1%) G (±2%) J (±5%) K (±10%)
RX27-5	3.0	12	8	25	10	5	0.5~2K2	680~100K	
RX27-5	5.0	13	10	25	10	5	0.5~2K2	680~100K	
RX27-5	7.0	13	10	39	10	5	1.0~6K2	1K~100K	
RX27-5	10	13	10	51	10	5	1.5~10K	1K~100K	
RX27-5	15	13	10	51	10	5	1.5~10K	1K~100K	
RX27-5	20	20	10	45	10	8	1.5~10K	1K~100K	

■ MPR 产品尺寸图 (MPR Product Size)



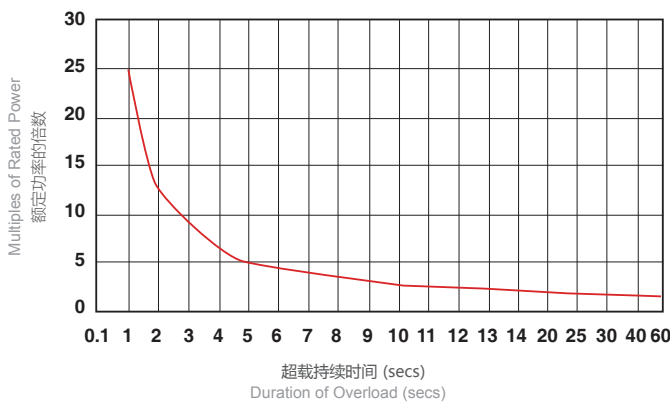
型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)						阻值范围 Resistance Range (Ω)	阻值公差 Optional accuracy range
		L±1	W±1	H±1	H1±1	P±1	Φd±0.1		
MPR	2.0	13	5	8	10	10	0.6	0.01~0.68	F (±1%) G (±2%) J (±5%) K (±10%)
MPR	3.0	13	5	13	10	10	0.6	0.01~0.68	
MPR	5.0	14	5	18	10	10	0.6	0.01~0.68	
MPR	7.0	26	5	18	10	20	0.7	0.01~0.68	
MPR	10	26	5	18	10	20	1.0	0.01~0.68	
MPR	2+2	26	5	10	10	10	1.0	0.1+0.1~0.33+0.33	
MPR	3+3	26	5	13	10	10	1.0	0.1+0.1~0.5+0.5	
MPR	5+5	26	5	20	10	10	1.0	0.1+0.1~1.8+1.8	

■ BKG 产品尺寸图 (BKG Product Size)



型号 Model	功率 Power 25°C (W)	尺寸 Size (MM)							阻值范围 Resistance Range (Ω)	阻值公差 Optional accuracy range
		L±2	L1±1	L2±10	W±1	H±1	M±0.5	N±0.5		
BKG	60	80	35	100	40	15	10	5	0.68~15K	J (±5%) K (±10%)
BKG	80	90	35	100	45	15	10	5	0.68~18K	

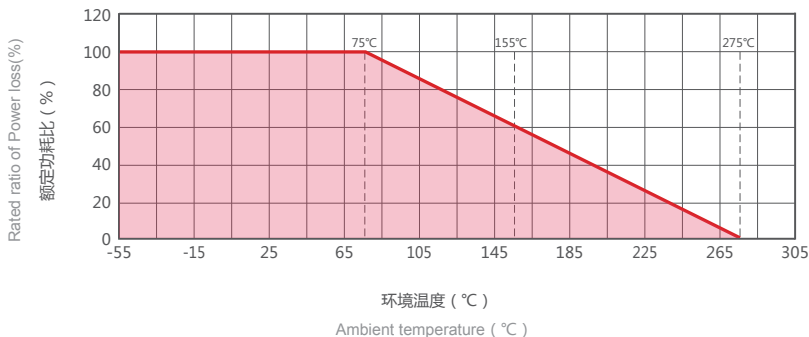
■ 过载曲线图 (Power Overload)



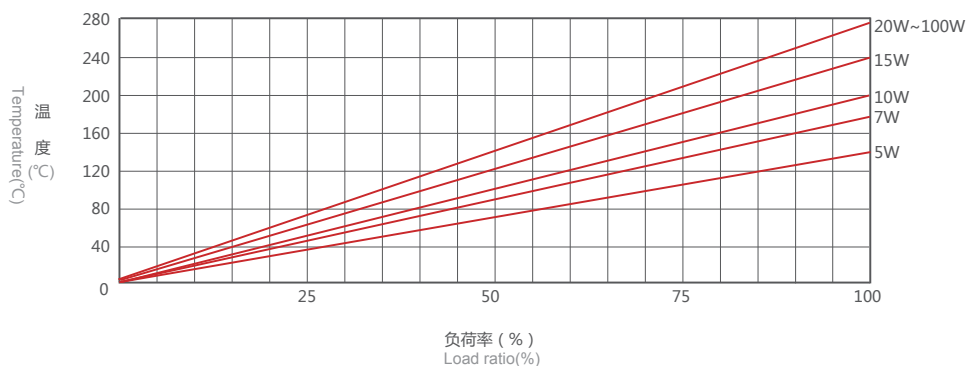
此图表示标准RX27系列电阻器的额定功率 (20°C时) 在100毫秒到60秒的过载情况下可能增加的量

This graph indicates the amount that the rated power (at 20°C) of the standard RX27 Series resistor may be increased for overloads of 100mS to 60S

■ 降额曲线 (Derating Curve)



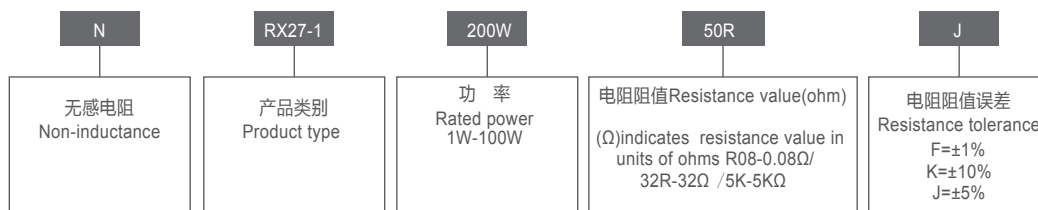
■ 表面温升 (Surface Temperature Rise)



■ 电气、机械特性 (Mechanical And Electrical Properties)

特性 Property	检查方法 Inspection method	性能要求 Performance requirements	试验标准 Test method
稳态湿热 Constant humidity-heat	40°C±2°C 相对湿度(90-95)% 96h Temperature 40°C±2°C, RH(90-95)% 96h	$R \leq \pm(2\% \pm 0.05\Omega)$	GB5729.4.24
温度快速变化 Temperature change	-55°C~+155°C 5次循环 -55°C to +155°C, 5 Circles	$R \leq \pm(2\% \pm 0.05\Omega)$	GB5729.4.19
短时过负荷 Transient overload	10倍Pr 5S 10 Time Pr 5s	无可见损伤 No visible destruction $R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.13
绝缘电阻 Insulation resistance	DC 500V	$R \geq 1000M\Omega$	GB5729.4.6
耐电压 Voltage resistibility	AC1000V 50Hz 5s	无击穿或飞弧 Free of breakage or flying arc	GB5729.4.7
负荷寿命 Life	25°C Ur 1000h	$R \leq \pm(5\% \pm 0.05\Omega)$	GB5729.4.25
端子强度 Terminal strength	引线直径小于 1.5 10N, 引线线直径大于 1.5 20N The lead line diameter less than 1.5 10N, the diameter more than 1.5 20N	无可见损伤 Free of visible destruction	GB5729.4.16
耐振性 Vibration resistibility	f:5-200HZ a=1g X.Y.Z各2h	无可见损伤 $R \leq \pm(2\%R \pm 0.05\Omega)$ Free of visible destruction	GB5729.4.22

■ 成品识别码 (Product Identification Code)



RX27-1 5W 50RJ (此款产品为常规品5W/50Ω 水泥电阻器 5W/50Ω Resistor)