

RX27系列 瓷壳线绕固定电阻器

Series RX27 Ceramic case wirewound fixed resistors

产品特点 FEATURES

- ▶ 径向 Radial
- ▶ 阻值低、体积小、负荷大、性能稳定
Low resistance, small volume, large power capacity, stable performance
- ▶ 采用瓷壳包封，使用温度范围：-55℃~+155℃。
Ceramic case package and operating temperature from -55℃ to +155℃

降功耗曲线 POWER DERATING CURVE

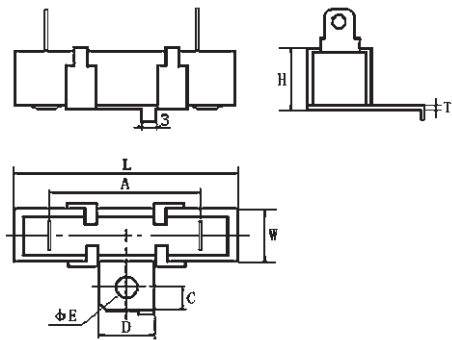
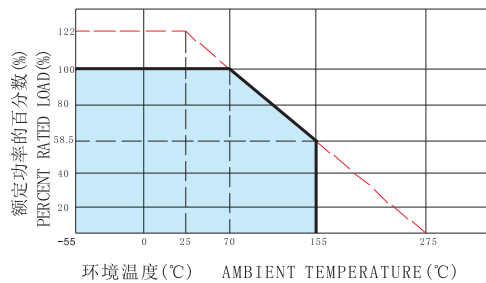


图3 Figure3

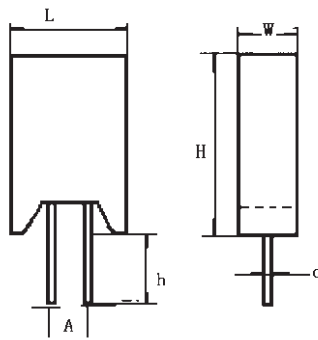


图4 Figure4

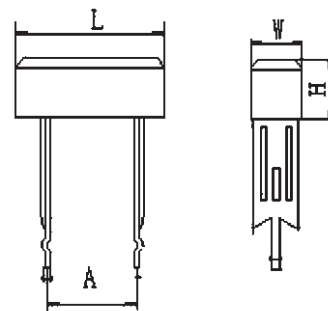


图2 Figure2

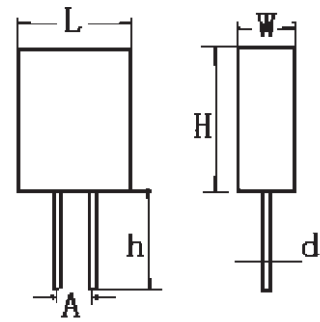
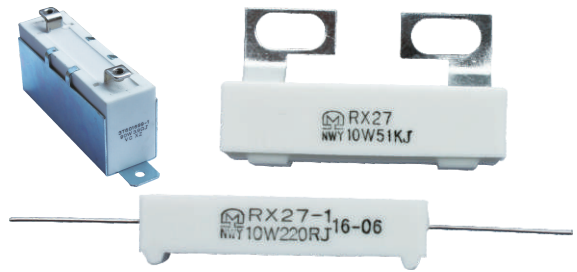


图5 Figure5

特性 CHARACTERISTICS

试验项目TEST ITEM	性能要求SPECIFICATIONS	试验方法TEST METHOD
耐焊接热Resistance to soldering heat	$\Delta R \leq \pm (1\%R + 0.05 \Omega)$	260℃, 10Sec
温度快速变化Fast temperature change	$\Delta R \leq \pm (1\%R + 0.05 \Omega)$	-55℃/+155℃, 5Cycle
稳态湿热Dampheat, Steady State	$\Delta R \leq \pm (5\%R + 0.1 \Omega)$	+40℃, RH93 ± 3%, 1000h
室温耐久性Endurance at room temperature	$\Delta R \leq \pm (5\%R + 0.1 \Omega)$	Room temp., 1000h
引出端强度Terminal strength	$\Delta R \leq \pm (1\%R + 0.05 \Omega)$	10N
短期过载Short time overload	$\Delta R \leq \pm (1\%R + 0.05 \Omega)$	10P _R , 5Sec



外形尺寸 DIMENSIONS

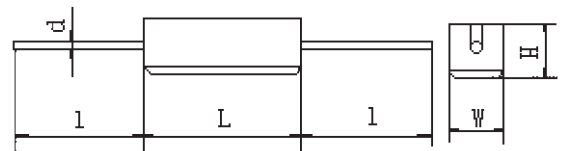


图1 Figure1

型号Type	尺寸Dimensions(mm)							
	L	W ± 1	H ± 1	I	A	h ± 1	d ± 0.1	图号 Figure
RX27-1-1W	14 ± 1	6.4	6.4	25 ± 2	—	—	0.65	Figure 1
RX27-1-2W	18 ± 1	6.4	6.4		—	—	0.7	
RX27-1-3W	22 ± 1	8	8		—	—	0.8	
RX27-1-5W	22 ± 1	9.5	9.5		—	—		
RX27-1-7W	35 ± 1.5	9.5	9.5		—	—		
RX27-1-10W	48 ± 2	9.5	9.5		—	—		
RX27-1-15W	48 ± 2	12.5	12.5		—	—		
RX27-1-20W	63 ± 2	12.5	12.5		—	—		
RX27-1-30W	75 ± 2	19	19		—	—		
RX27-1-40W	90 ± 2	19	19		—	—		
RX27-1-50W	90 ± 2	19	19		—	—		
RX27-3-7W	35 ± 1	9.5	9.5	—	22.5 ± 1.5	—	—	Figure 2
RX27-3-10W	48 ± 1.5	9.5	9.5	—	35 ± 1.5	—	—	
RX27-3-15W	48 ± 1.5	12.5	12.5	—	32.5 ± 1.5	—	—	
RX27-3-20W	63 ± 2	12.5	12.5	—	48 ± 1.5	—	—	
RX27-3-50W	90 ± 2	19	19	—	68 ± 2	—	—	Figure 3
RX27-4H-15W	48 ± 1.5	12.5	12.5	—	36 ± 1.5	—	—	
RX27-4H-20W	63 ± 2	12.5	12.5	—	46.5 ± 1.5	—	—	
RX27-4H-30W	75 ± 2	19	19	—	58 ± 2	—	—	
RX27-4H-40W	90 ± 2	19	19	—	68 ± 2	—	—	
RX27-4H-45W	90 ± 2	19	19	—	68 ± 2	—	—	
RX27-4H-60W	90 ± 2	19	19	—	68 ± 2	—	—	
RX27-4H-90W	100 ± 2	33	46	—	78 ± 2	—	—	
RX27-5-2W	11 ± 1	7 ± 1	21 ± 1	—	5 ± 1	5	0.8	Figure 4
RX27-5-3W	12 ± 1	8	25	—	5 ± 1	5		
RX27-5-5W	13 ± 1	9	26	—	5 ± 1	5		
RX27-5-7W	13 ± 1	9	38.5	—	5 ± 1	5		
RX27-5-10W (S)	16	11	34	—	7.5 ± 1	10		
RX27-5-10W (L)	13	9	51	—	5 ± 1	10		
RX27-5-20W	21	13	45	—	7.5 ± 1	10		
RX27-5-20W(H)	20	10	50	—	8 ± 1	10		
RX27-6-5W	15	6	18	—	10 ± 1	10	0.8	Figure 5

● 技术说明 TECHNICAL SPECIFICATIONS

型号 Type	额定功率 Power Rating (W)	温度系数 T.C.R.($10^{-6}/^{\circ}\text{C}$)	绝缘耐压 Dielectric withstanding voltage(V)	阻值范围 Resistance Range(Ω)
RX27-1	2W	± 250	500	0.1~390
	3W		600	0.18~680
	5W		700	0.18~680
	7W		700	0.22~1.5k
	10W		1000	0.33~2.4k
	15W		1000	0.33~2.4k
	20W		1000	0.39~3.3k
	30W		1000	0.39~3.3k
	40W		1000	0.39~3.3k
RX27-3	5W		700	0.22~820
	7W		700	0.39~1.5k
	10W		1000	0.39~2.2k
	15W		1000	0.39~3.3k
	20W		1000	0.39~3.6k
	50W		1000	0.39~3.6k
RX27-4H	15W		1000	0.39~3.3k
	20W		1000	0.39~3.3k
	30W		1000	0.39~3.3k
	40W		1000	0.39~3.3k
	45W		1000	0.39~3.3k
	60W		1000	0.39~3.3k
	90W		1000	0.39~3.3k
RX27-5	2W		500	0.18~510
	3W		600	0.18~680
	5W		700	0.18~680
	7W		700	0.18~680
	10W		1000	0.18~680
	20W		1000	0.18~1k
RX27-6	5W		700	0.18~680