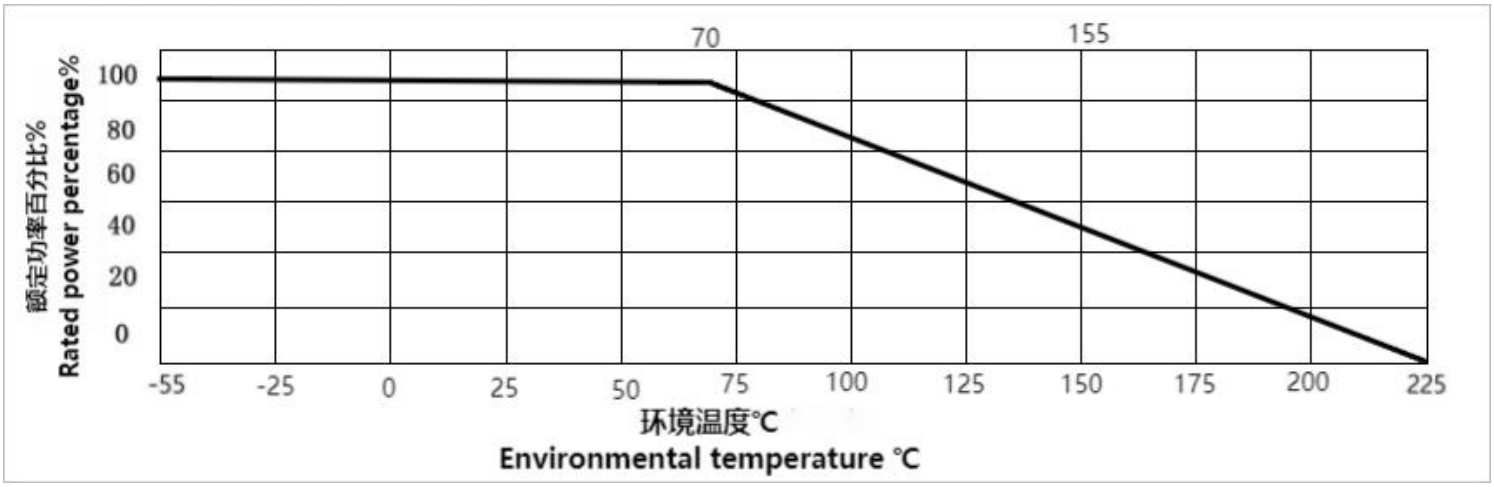
RX24

功率型铝外壳固定电阻器 **Power type aluminum shell fixed resistor**

产品特点 Features&Applications

- 具有环境保护功能 Molded construction for environmental protection.
- 完全熔焊结构 Complete welded construction.
- 对最低电抗元件存在无感绕制 Non inductive winding exists for the lowest reactive component
- 安装于基板上应用热吸收效应 Mounts on chassis to Enhance heat dissipation effect.
- 操作中具有良好的可靠性 Excellent stability in operation.

降功耗曲线 Power Derating Curve



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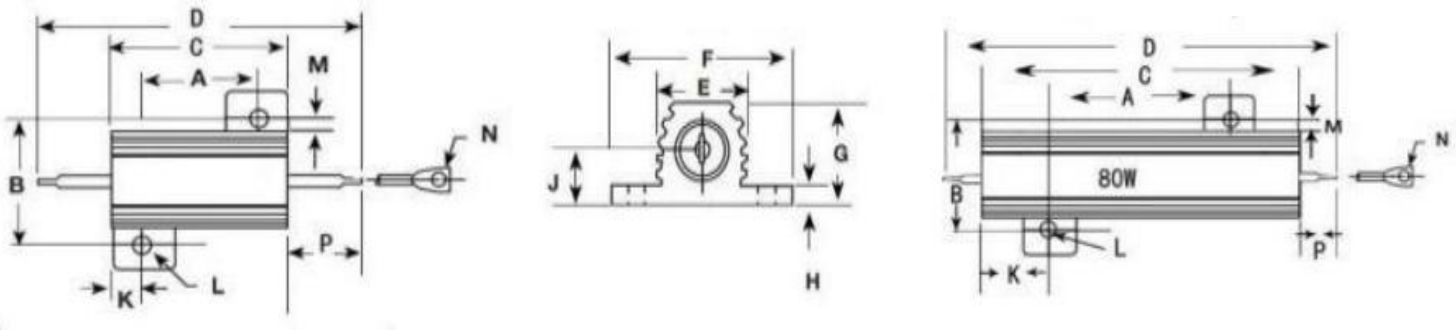
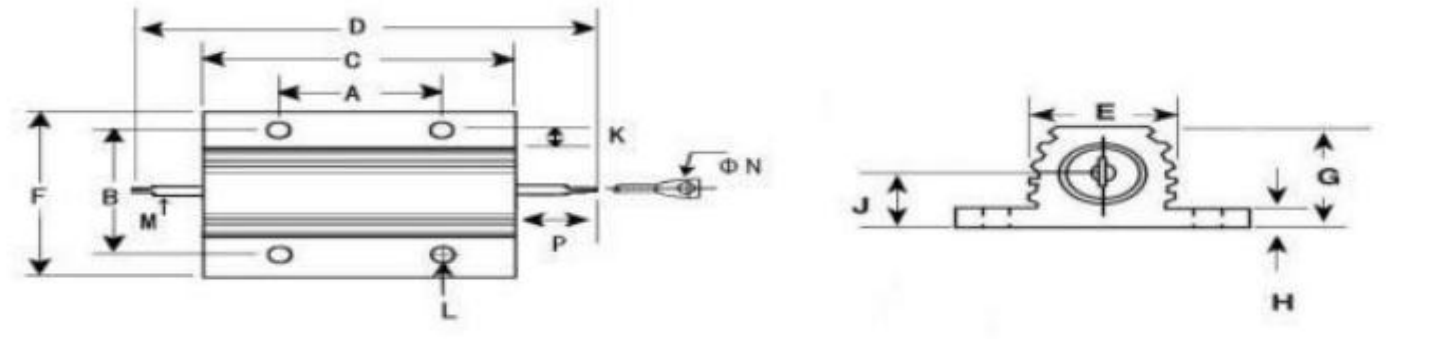
外形尺寸 DIMENSIONS ①



型号 Model	功率 Power	外形尺寸 Dimensions（mm）													
		A ±1	B ±1	C ±1	D ±1.5	E ±0.5	F ±0.5	G ±0.5	H ±0.5	J ±0.5	K ±0.5	L ±0.5	M ±0.5	N ±0.5	P ±2
RX24	5W	11	13	15	32	8.5	17	8	1.3	4.5	2	2.4	0.7		27.5
	10W	13	15	20	42	10.5	23	10.5	1.7	5	3.5	3	1.6	1.3	10.5
	25W	18.5	20	27	52	15	29	15	2	7	4.5	3.5	2.5	2	12
	50W	40	22	50	74.5	15	29	15.5	2	7	5	3.5	3.5	2	12
	35W	25	22	34	57	15	29	15.5	2	7.5	4.5	3.5	2	2	12
	80W	40	21	75	99.5	15	29	15.5	2	7.5	17.5	3.5	2	2	11.5

外形尺寸 DIMENSIONS ②



型号 Model	外形尺寸 Dimensions（mm）													
	A ±1	B ±1	C ±1	D ±1.5	E ±0.5	F ±0.5	G ±0.5	H ±0.5	J ±0.5	K ±0.5	L ±0.5	M ±0.5	N ±0.5	P ±2
RX24-100WM	40	22	70	94.5	15	28	15	2	6.8	3.5	4	2	2	13
RX24-75WM	39	22	60	85	15	28	15	2	6.8	3.5	3.5	2	2	12.5

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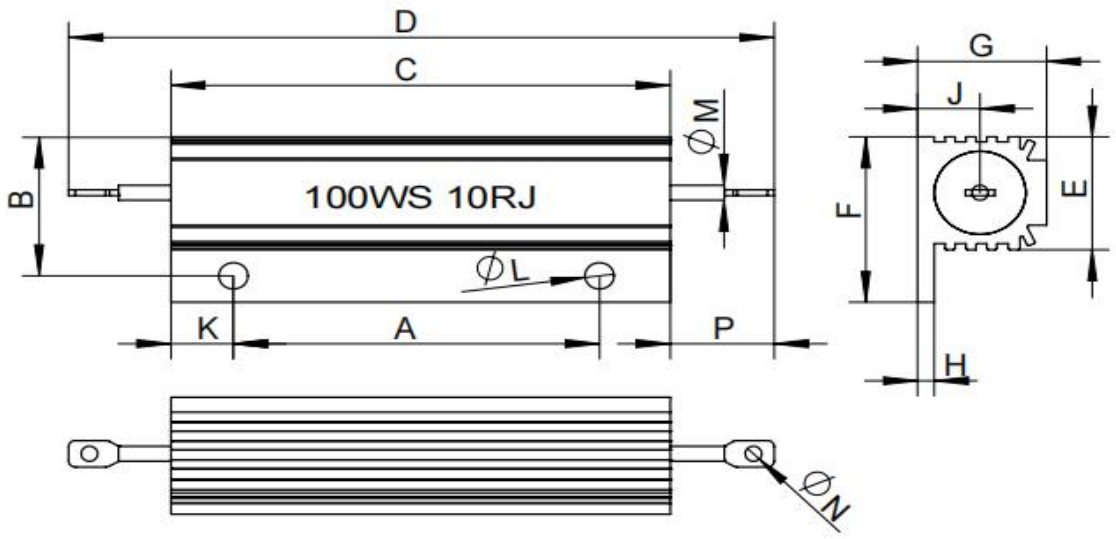
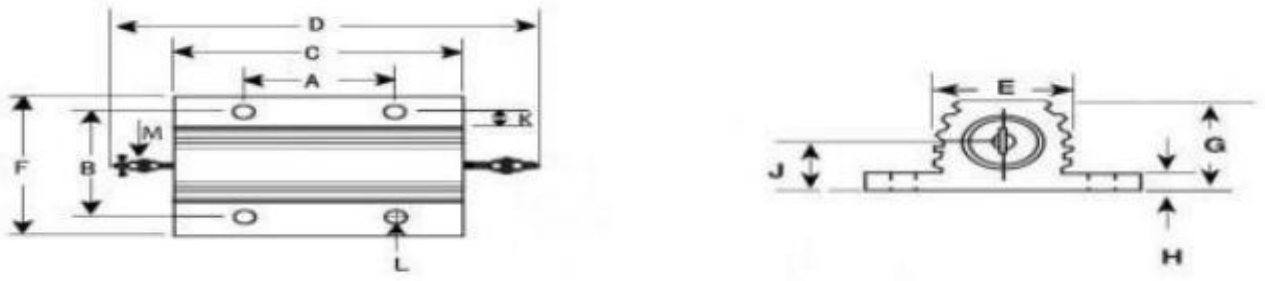
外形尺寸 DIMENSIONS ③



型号 Model	外形尺寸 Dimensions（mm）													
	A ±1	B ±1	C ±1	D ±1.5	E ±0.5	F ±0.5	G ±0.5	H ±0.5	J ±0.5	K ±0.5	L ±0.5	M ±0.5	N ±0.5	P ±2
RX24-100WS	44	18	60	85.5	15	22	15	2	7	8	3.5	2	2	12

外形尺寸 DIMENSIONS ④



型号 Model	外形尺寸 Dimensions（mm）											
	A ±1	B ±1	C ±1.5	D ±0.5	E ±0.5	F ±0.5	G ±0.5	H ±0.5	J ±0.5	K ±0.5	L ±0.5	M ±0.5
RX24-75W	35	37	66	100	27	48	26	3	11.5	5.5	5	4

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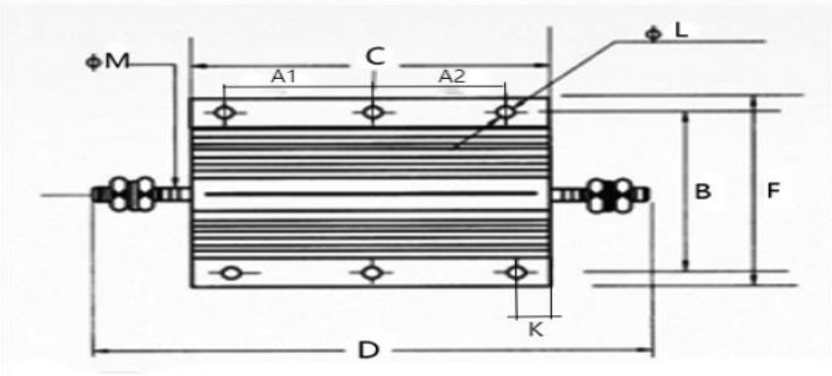
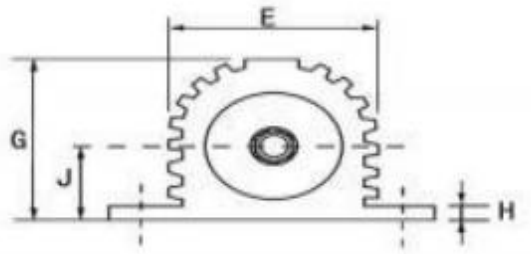
外形尺寸 DIMENSIONS ⑤





型号 Model	功率 Power	外形尺寸 Dimensions（mm）												
		A1 ±1	A2 ±1	B ±1	C ±1.5	D ±2	E ±0.5	F ±0.5	G ±0.5	H ±0.5	J ±0.5	K ±0.5	L ±0.5	M ±0.5
RX24	100W	35	35	37	98	130	27	48	26	3	11	14	5	4
	150W	56	56	37	136	170	27	48	26	3	11	12.5	5	4
	200W	63	63	37	155	185	27	48	26	3	11	15	5	4
	200WL	35	35	58	92	125	46	73	45	5	20.5	11	6	6
	250W	45	45	58	112	140	46	73	45	5	20.5	11	6	6
	300W	52	52	58	128	155	46	73	45	5	20.5	12	6	6
	500W	86	86	58	200	225	46	73	45	5	20.5	14	6	6
	800W	100	100	58	250	280	46	73	45	5	21	25	6	6
	1000W	123	123	58	300	330	46	73	45	5	21	27	6	6

技术说明 Technical Specifications

	单位 unit	电阻特性 Resistance characteristics
温度系数 Temperature coefficients	ppm/℃	0.1Ω ~ 0.99Ω:±50ppm/℃、 ± 100ppm/℃ > 1Ω;±200ppm/℃、 ± 50ppm/℃、 ± 100ppm/℃
绝缘电压 Insulation voltage	V_{AC}	1000 V_{AC}; 1500 V_{AC} ; 3000 V_{AC}
短期过载 short time overload	-	5 倍额定功率 ， 5 秒钟 (5xrated power for 5seconds)
最大工作电压 maximum working voltage	V	√ P × R
绝缘电阻 Insulation resistance	Ω	干燥： ≥ 10000MΩ;温度测试后:≥1000MΩ Drying: ≥ 10000M Ω; After temperature testing: ≥ 1000M Ω
引出端强度 Terminal tensile strength	N	22.2N; 44.4N
可焊性 solderability	-	符合 MIL-PRF-18546 标准,符合 ANSI.J-STD-002 标准 Compliant with MIL-PRF-18546 standard and ANSI J-STD-002 standard
温度范围 Temperature range	℃	-55/+250

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性能试验 Performance Parameters

试验项目 Pilot projects	实验条件 experimental condition	实验要求 Requirements
热冲击 thermal shock	额定电压下工作直至热稳定再放置 -55 度下保持 15分钟 Work at rated voltage until thermal stability, then place at -55 degrees Celsius for 15 minutes	▵R ≤±(0.5%R +0.05Ω)
短期过载 short time overload	5倍额定功率5秒钟 5 times rated power for 5 seconds	▵R ≤±(0.5%R +0.05Ω)
绝缘电压 Insulation voltage	1000VAC; 2000VAC; 4500VAC	▵R ≤±(0.2%R +0.05Ω)
温度 Temperature	250℃, 2 小时	▵R ≤±(0.5%R +0.05Ω)
耐潮湿 Moisture proof		▵R ≤±(1.0%R +0.05Ω)
耐脉冲 Pulse resistant	100g, 6 毫秒, 10 times	▵R ≤±(0.2%R +0.05Ω)
高频率振动 Vibration high frequency	频率 10 ~ 200HZ,峰值 20g,2 个方向,时间为 6 个小时 Frequency 10~200HZ, peak 20g, 2 directions, time 6 hours	▵R ≤±(0.2%R +0.05Ω)
长期寿命 Load life	额定功率,25℃下工作 1000 个小时,1.5 小时通,0.5 小时断 Rated power, working for 1000 hours at 25 ℃, with 1.5 hours on and 0.5 hours off	▵R ≤±(1.0%R +0.05Ω)
引出端强度 Terminal tensile strength	拉力: 22.2N, 44.4N 时间:30S 扭矩:2.7N· m. 3.6N· m Tensile force: 22.2N, 44.4N Time: 30S Torque: 2.7N · m 3.6N · m	▵R ≤±(0.2%R +0.05Ω)

订购信息 Ordering Information

选型示例： RX24-200W5RJ(RX24 200瓦 5 欧姆±5%)

Selection example: RX24-200W5RJ (RX24 200W 5 ohms ± 5%)

型号 Model	瓦数 Wattage	阻值 Resistance	精度 Accuracy
RX24	200W	5R	F： ±1% G： ±2% J： ±5%