

一：产品图片 Product images



二：特点 Characteristic

- 1 High-heat-dissipation aluminum housing protection structure
- 2 The tight-fitting, robust, and fully enclosed filling material facilitates efficient heat dissipation.
- 3 Vibration resistance, weather resistance, and long-term stability
- 4 Compact size, high power output, easy and secure installation, and aesthetically pleasing design

III: Appearance Requirements

Appearance Requirement

- 1: The sealing material of the resistor shall be flat, free of cracks, and exhibit no visible damage.
- 2: The resistor coating shall be uniform, smooth, and free of burrs.

四：品名构成 Product Identification

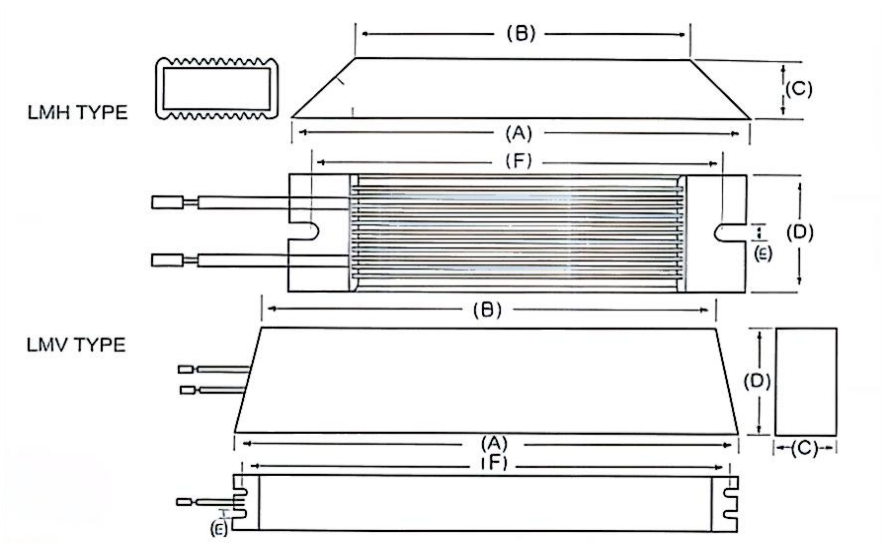
LMH	50W	0.01Ω	J(±5%)
型式	额定功率	公称抵抗值	容许误差值
type	power rating	resistance	Tolerance

容许误差值
Tolerance

F	J	K
±1%	±5%	±10%

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五：规格 Specifications



Power rating	A ± 1.5	B ± 1.5	C ± 1	D ± 1	E ± 1	F ± 2
60W	100	72	20	40	5.5	78
100W	115	87	20	40	5.5	92
120W	165	137	20	40	5.5	142
150W	125	85	30	60	5.5	102
200W	165	125	30	60	5.5	142
300W	215	175	30	60	5.5	192
400W	265	225	30	60	5.5	242
500W	285	245	30	60	5.5	262
600W	300	260	30	60	5.5	277
800W	330	290	30	60	5.5	307
1000W	300	260	50	107	6.5	277
1200W	350	310	50	107	6.5	327
1500W	400	360	50	107	6.5	377
2000W	450	410	50	107	6.5	427
3000W	550	510	50	107	6.5	527
4000W	650	610	50	107	6.5	627
5000W	750	710	50	107	6.5	727
6000W	850	810	50	107	6.5	827
7000W	950	910	50	107	6.5	927
8000W	1000	960	50	107	6.5	977
10000W	1000	960	50	107	6.5	977

Note: For all outdoor applications where no temperature requirements apply, use 260 mm.

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六：结构及标识 Structure and identification

1. Product Construction

Order number	Constituent part	Composition
1	Resistance wire	Alloy wire
2	Core material	Ceramic substrate
3	Packaging material	Quartz mixed mortar, epoxy resin
4	Hull	Aluminum alloy 6063-T5
5	Exit	High-temperature line

2. The following information shall be printed on the resistor body:

1	Example: RXLG 5000W50RJ
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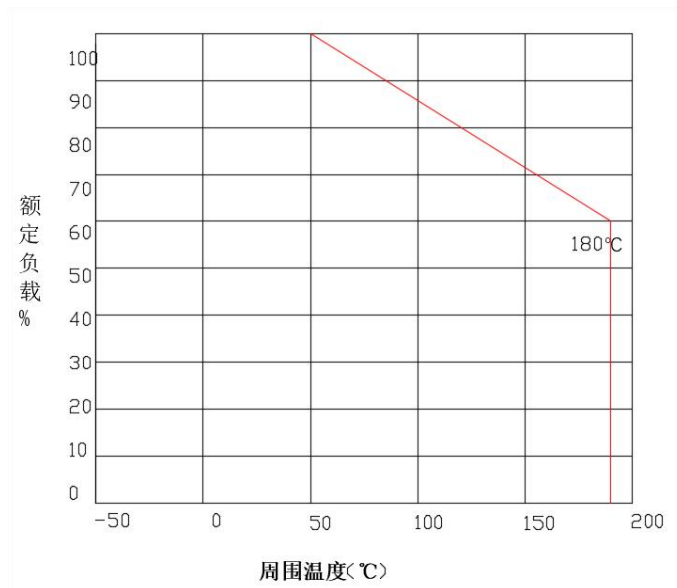
七：Electrical Specifications

Key Features	Specification value	
Resistance and resistance error	$10\ \Omega \leq R$	$\pm 5\%$ (J)
	$1\ \Omega \geq R$	$\pm 10\%$ (K)
Temperature coefficient	$\pm 200\text{PPM}/^{\circ}\text{C}_{\text{max}}$	
Quota load	$\Delta R/R \leq \pm(1\% + 0.05\ \Omega)$, with a maximum surface temperature rise of 350 °C.	
Short-term load	$\Delta R/R \leq \pm\ (2\% + 0.05\ \Omega)$	
Insulation resistance	DC500V100M Ω MIM	
Withstand voltage	$\Delta R/R \leq \pm\ (1\% + 0.05\ \Omega)$ AC2000V1mimtue	

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8: Power Derating Curve



9: Surface temperature rise Hot-spot Temperature

