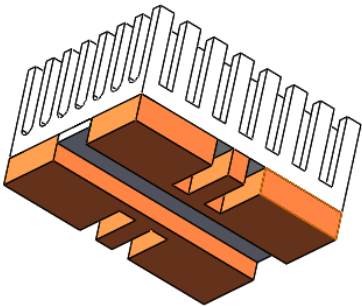
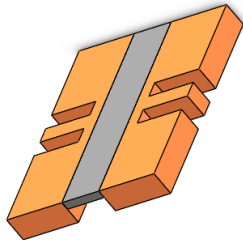


	HoLRS裸露合金电阻规格书 Specification for bare alloy resistance	Serial number	HoLRS
		Revision date	2024-03-27
		Version number	Ho-A0

规格书 Specification

产品特点 Feature

精度 $\pm 1\%$ 、 $\pm 2\%$ 、 $\pm 5\%$	Tolerance $\pm 5\%$, $\pm 2\%$, $\pm 1\%$,
使用温度 $-55^{\circ}\text{C}\sim 170^{\circ}\text{C}$	Operating temperature range $-65^{\circ}\text{C}\sim 170^{\circ}\text{C}$
电子束焊接结构	Electron beam welding
耐冲击	Ideal for pulse application
高负载稳定性0.02%	High load stability 0.02%
电感小于 3 纳亨	Low Inductance $< 3\text{nH}$
温度系数低至10ppm/ $^{\circ}\text{C}$	TCR down to 10ppm/ $^{\circ}\text{C}$
符合ROHS要求	RoHS Compliant
符合AEC-Q200	AEC-Q200 qualified.



应用范围 Applications

电池化成、分容系统	Battery formation and capacity separation system
电池内阻检测设备	Battery internal resistance detection equipment
仪器电源及电源测试系统	Instrument power supply and power test system
需要精密采样的电源系统	Power systems that require precision sampling

产品名称 Product Name

裸露合金电阻	Bare alloy resistors
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AEC-Q200

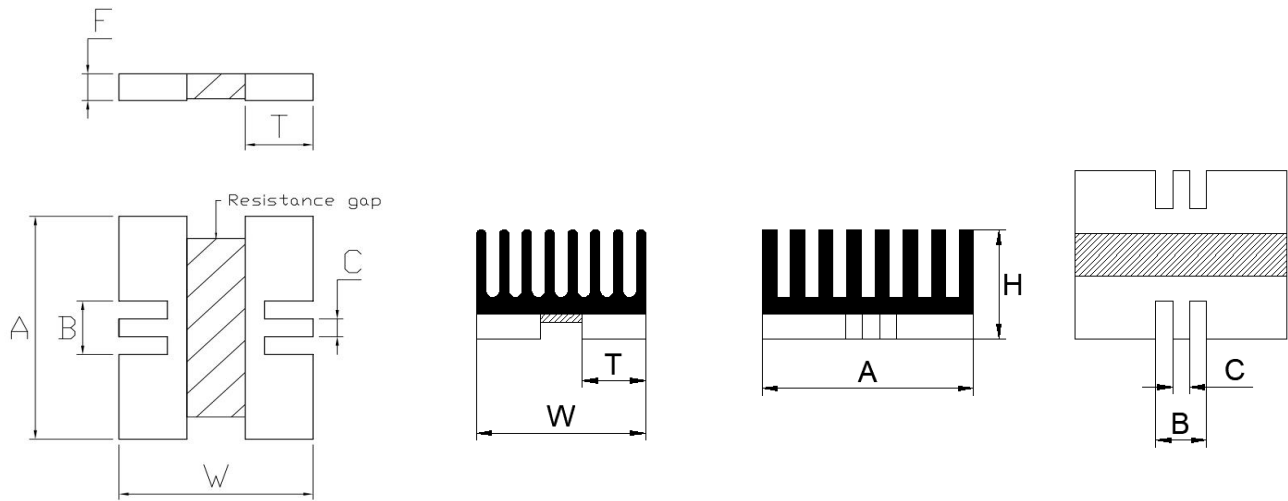


	HoLRS裸露合金电阻规格书 Specification for bare alloy resistance	Serial number	HoLRS
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■ 产品型号 Product number

Ho	LRS	2025	0.1mR	1%	
↓	↓	↓	↓	↓	↓
Mfr	Product line	Encapsulation	Resistance (mΩ)	Accuracy (1%)	Product category
毫欧电子	裸露合金	2025 1620 1625 2530	0.1~0.5	±1% ±2% ±5%	/ SRA(带散热器)

■ 产品尺寸 Product Size (Unit:mm)



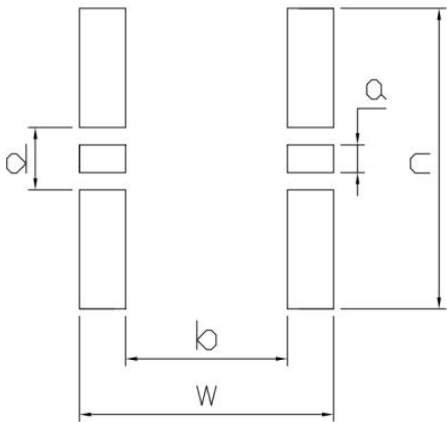
model	R (mΩ)	W (mm)	A (mm)	B (mm)	C (mm)	F (mm)	T (mm)
LRS2025	0.1~0.5	20±0.3	25±0.5	6±0.2	2.0±0.2	3.0±0.1	7.5±0.5
LRS1620	0.1~0.5	16±0.5	20±0.5	6±0.4	2.0±0.3	3.0±0.1	5.3±0.5
LRS1625	0.1~0.5	16±0.5	25±0.5	6±0.4	2.0±0.3	3.0±0.1	5.3±0.5
LRS2530	0.1~0.5	25±0.5	30±1	6±0.4	2.0±0.3	3.0±0.1	5.3±0.5

带散热 Belt heat dissipation (SR)

model	R (mΩ)	W (mm)	A (mm)	B (mm)	C (mm)	H (mm)	T (mm)
LRS2025	0.1~0.5	20±0.3	25±0.5	6±0.2	2.0±0.2	<30	7.5±0.5
LRS1620	0.1~0.5	16±0.5	20±0.5	6±0.4	2.0±0.3	<14.5	5.3±0.5
LRS1625	0.1~0.5	16±0.5	25±0.5	6±0.4	2.0±0.3	<14.5	5.3±0.5
LRS2530	0.1~0.5	25±0.5	30±1	6±0.4	2.0±0.3	<14.5	9.5±0.5

	HoLRS裸露合金电阻规格书 Specification for bare alloy resistance	Serial number	HoLRS
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■ 建议焊盘尺寸 Recommended pad size



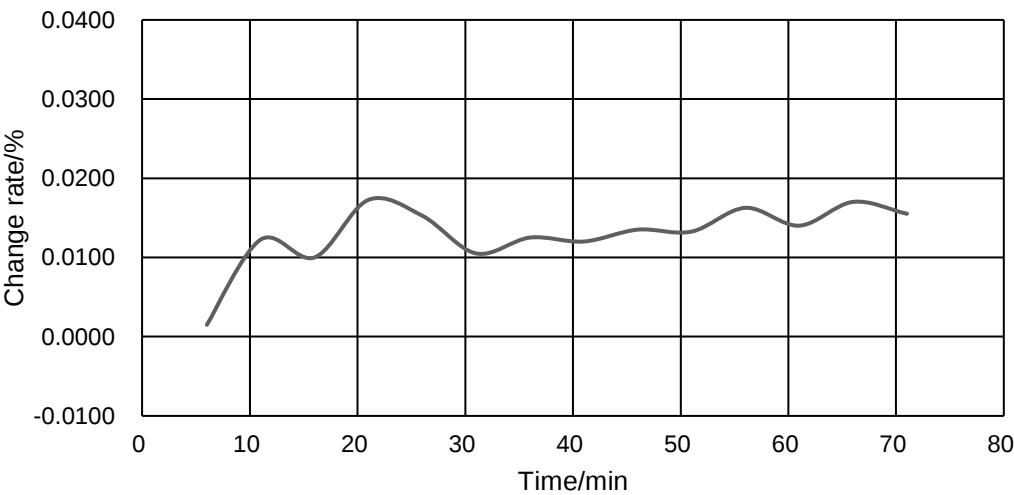
model	w	c	a	b	d
HoLRS2025/ (SRA)	22	26	2.4	14	5.4
HoLRS1620/ (SRA)	18	22	2.4	8	5.6
HoLRS1625/ (SRA)	18	26	2.4	8	5.6
HoLRS2030/ (SRA)	27	33	2.4	9	5.4

■ 规格表 Electrical parameter

encapsulation	R (mΩ)	Load current (A)	TCR (ppm/℃)	TEMP (℃)	Accuracy (%)
LRS2025	0.1	200	25	-55~+170	±1, ±2, ±5
LRS1620	0.2	120			
LRS1625	0.25	120			
LRS2530	0.3	120			
	0.5	80			
encapsulation	R (mΩ)	Load current (A)	TCR (ppm/℃)	TEMP (℃)	Accuracy (%)
LRS2025 (SRA)	0.1	300	15~20	-55~+170	(%)
LRS1620 (SRA)	0.2	120			±1, ±2, ±5
LRS1625 (SRA)	0.25	120			
LRS2530 (SRA)	0.3	120			
	0.5	80			
encapsulation	R (mΩ)	Load current (A)	TCR (ppm/℃)	TEMP (℃)	Accuracy (%)
LRS2025 (SRA)	0.1	300	10	-55~+170	(%)
LRS1620 (SRA)	0.2	120			±1, ±2, ±5
LRS1625 (SRA)	0.25	120			
LRS2530 (SRA)	0.3	120			
	0.5	80			

■ 工作特性 Performance Date

负载稳定性曲线
Load Stability Curve



■ 性能测试 Performance Testing

Project	Test conditions	Range of variation
Temperature Cycling	1000 Cycles(-55℃ to +125℃)	± 0. 5%
High Temperature Exposure	100hrs. @T=170℃. Unpowered.	± 0. 5%
Biased Humidity	1000hrs 85℃/85%RH. Note:Specified conditions:10% of operating power.	± 0. 5%
Operational Life	Condition D Steady State TA=125℃ at rated power.	±0. 5%
Solderability	245℃ ± 5℃, 5s ± 0. 5s.	95% Coverage Minimum
Vibration	5 g's for 20 min, 12 cycles each of 3 orientations. Note: Use 8"X5" PCB .031" thick 7 secure points on one lon g side and 2 secure points at corners ofopposite sides; Parts mounted within 2" from anysecure point. Test from 10 -2000 Hz.	± 0. 5%
Resistance to Soldering Heat	260℃ ± 5℃, 10s ± 1s.	± 0. 5%
Short Time Overload	5×Rated power for 5 s.	± 0. 5%
Moisture Resistance	t=24hrs/cycle.Note:Steps 7a & 7b not required. Unpowered.	± 0. 5%