No.：Ho20250216-01
Version：A0

Product Acknowledgement Letter

CustomerName：

ProductName：Bare Alloy Resistor

ProductSpecification：HoLRS1625-0.1mR-1%

ProductCode：

Dateofdocument：2025-02-16

Approved Company Signature			
Edited by	Reviewed by	Approved by	CompanySeal
ShaoYuXiang	NianGuiLing	ChenYu	

Customer confirmation seal			
Acknowledged by	Reviewed by	Approved by	Company Seal

Purpose

This acknowledgment document describes the sample characteristics and inspection standards to facilitate better communication with customers, reach mutual agreement, and prevent product quality disputes arising from insufficient communication.

Scope of Application

This Certificate of Acceptance applies to the samples provided by Shenzhen Haoou Electronics Co., Ltd., and covers the product characteristics and inspection standards.

Order Association

By acknowledging this confirmation, the customer certifies that the specifications and models of materials under all contract orders with Shenzhen Haoou Electronics Co., Ltd. are consistent with the delivered products. Ifno objection or confirmationis received, this confirmation shallbe deemed effective two weeks after the date of receipt by the customer.

Product Features

1. Electron beam welding process;
2. High reliability, high overload capacity, and high product precision;
3. Wide operating temperature range with non-inductive design;
4. Compliant with ROHS requirements;

Product Application Scope

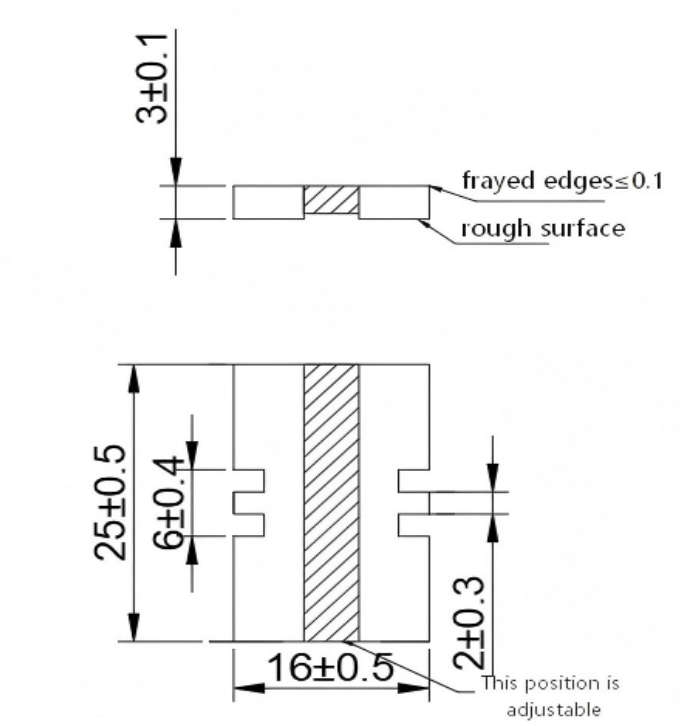
1. Power supply modules;
2. Industrial instrumentation and equipment;
3. Battery Management Systems (BMS);
4. Automotive module control units;
5. Variable frequency drives and servo drive systems;

High-tech enterprises IATF16949 ISO9001 RoHS REACH

Selection Example：HoLRS1625-0.1mR-1%	Bare Alloy Resistor

Ho	LRS	1625	0.1mR	1%
Manufacturer	Category	Encapsulation	resistance	Accuracy
Ho	LRS	1625	0.1mR	1%

Product Dimensions

Project	Parameter
Product Code:	

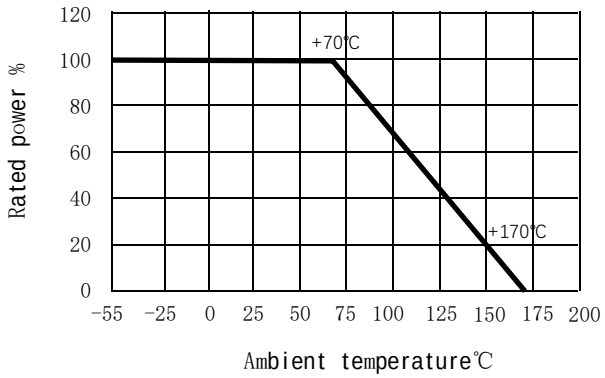
Shenzhen Milliohm Electronic Ltd
Controlled documents

Customer Confirmation	Customer Signature：		Signing Time：	
Note	Notching function: Usedto adjustproductprecisionwithoutaffecting other productcharacteristics. Forcertainproducts wherethe originalprecision meets requirements,notching adjustmentis unnecessary. The size, shape,and number ofnotches aredeterminedbythe manufacturer.			

Electrical parameters

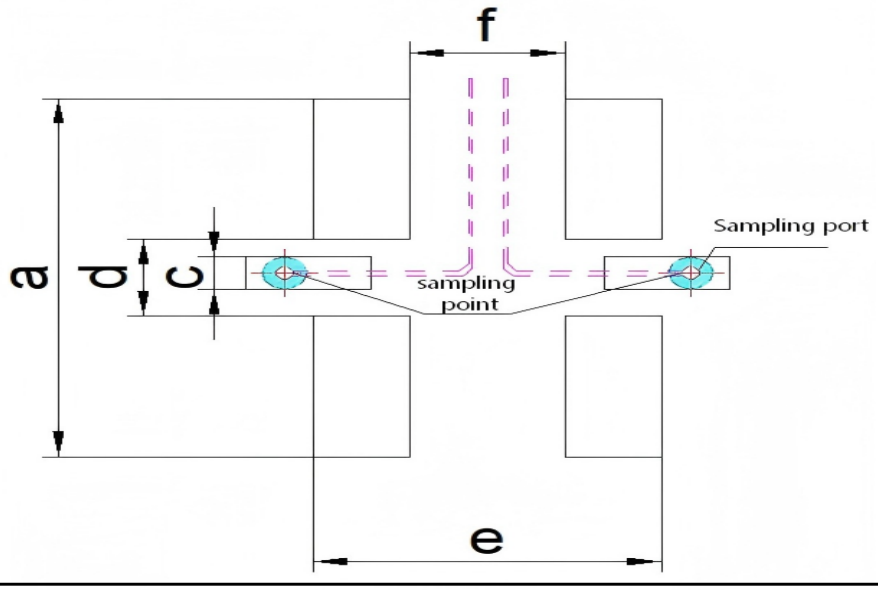
resistance value	0.1mR
Product Accuracy Class	1%
Operating temperaturerange	-55℃～+170℃

Recommendedpadsize



Operating temperature range: -55℃ to +170℃ Power derating diagram when resistance temperature reaches 70℃

Recommendedpadsize



Performance testing		
Project	Test conditions	Resistance variation range
thermal shock	-55° C to +150° C, 1000 cycles, 15 minutes at each extreme	±0.5%R
Short-term overload	Five times the rated power, sustained for five seconds	±0.5%R
Low-temperature storage	-55° C sustained for 24 hours	±0.5%R
High-temperature exposure	At +170° C for 1000 hours	±1.0%R
Deviation humidity	+85° C, 85% RH, 10% rated power, 1000 hours	±0.5%R
Mechanical impact	Positive half-sine wave, peak acceleration 100g, pulse duration 6ms, three axes in six directions each subjected to three impacts, totalling 18 impacts.	±0.5%R
Vibration	Frequency varies from 10 Hz to 2000 Hz over 12 hours, at 1 minute intervals across three directions.	±1.0%
Load life	Within rated power, 1000 hours at +70° C, 1.5 hours “on” , 0.5 hours 'off'”	±0.5%

Product Packaging and Instructions for Use:

1、Product Packaging

Boxed, crated
Customisable per box.

2、Product Instructions

① During product usage, ensure surface protection to prevent surface defects such as impact damage or scratches.

② When handling the product, avoid using sharp tools to prevent surface scratches that may cause resistance drift and failure.

③ During installation and operation, shield the product from mechanical stress.

④ Maintain continuous power usage at or below the rated power to prevent long-term overload-induced resistance drift.

⑤ When operating under high temperatures or inadequate heat dissipation, consult the derating curve for power reduction applications.

⑥ Prior to use, keep the product sealed in its packaging to prevent oxidation risks such as soldering defects.

3、Product Storage Instructions

① The product should be stored at an ambient temperature of 5－35° C with humidity below 65% RH, maintaining humidity at the lowest possible level.

② The product must be stored in a clean, dry environment free from harmful gases.

③ Avoid removing the product from its packaging until ready for use.

④ Under the aforementioned storage conditions, the product remains viable for one year.

⑤ For products stored beyond one year, inspect the surface for oxidation and conduct soldering tests.