

HoT Few Wire Jumper Resistors 0R Series Specifications

■ Product Features

- ① The copper surface is tin-plated, with good welding performance;
- ② High reliability and high overload capacity;
- ③ Non-inductive design with a wide operating temperature range;
- ④ Complies with ROHS and halogen-free requirements;

■ Application

- ① Drive technology, power electronics;
- ② Low inductance circuit;
- ③ High current pulse circuit;
- ④ Current sampling, feedback circuit;
- ⑤ Home appliance control, automotive electronics, communication power supply.



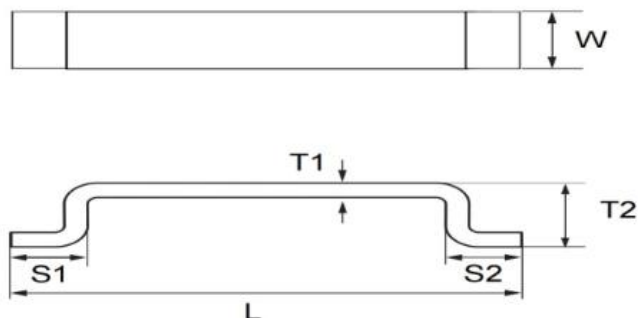
■ Product Model

Selection Example: HoT-0.5-1.5-10-JZ-W-D

<u>Ho</u> ↓	<u>T</u> ↓	<u>0.5</u> ↓	<u>1.5</u> ↓	<u>10</u> ↓	<u>JZ</u> ↓	<u>W</u> ↓	<u>D</u> ↓
Manufact urer	Series	Thickness	Width	Length	Shape	Special Instructions	Taping
Ho	jumper	0.5	1.5	10	JZ (zigzag)	L=Bright tin plating W=Matte Tin N=Matt nickel plating G=Bright nickel plating B=unplated	D=plaiting

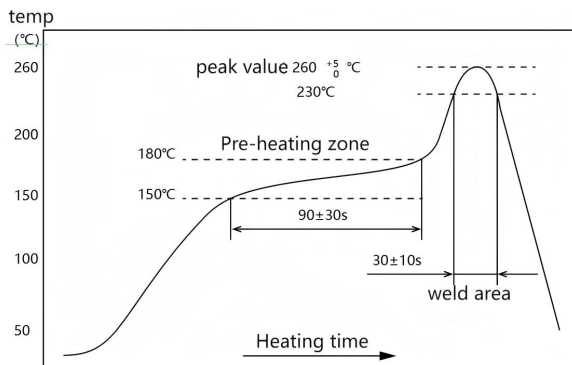
For specific parameters, please check the details on the following page



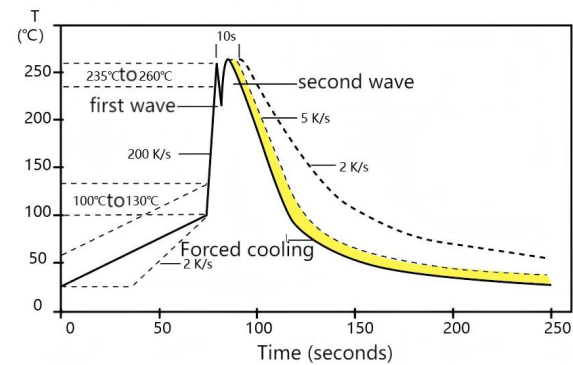
Product specifications (unit: mm)


Product Code	Product Name	Product Specifications	T1	W	T2	S1/S2	L	Products Mold	Reel tape	Reel Quantity
HoC01687	Zigzag Jumper Resistors	HoT-0.3-1-6.4-JZ-W-D	0.3	1	0.6	0.5	6.4	Y	Y	12000pcs
HoC02145		HoT-0.3-1-4-JZ-W-D	0.3	1	0.6	1	4	Y	N	4000pcs
HoCB0891		HoT-0.4-1.5-5.2-JZ-W	0.4	1.5	0.6	1.5	5.2	Y	N	
HoC01935		HoT-0.4-1.5-8.2-JZ-W-D	0.4	1.5	0.6	1.5	8.2	Y	Y	12000pcs
HoCB0888		HoT-0.4-1.5-10.2-JZ-W	0.4	1.5	0.6	1.5	10.2	Y	N	
HoCB0889		HoT-0.4-1.5-13.2-JZ-W	0.4	1.5	0.6	1.5	13.2	Y	N	
HoC01226		HoT-0.4-1.8-11.56-JZ-W-D	0.4	1.8	2.3	1.7	11.56	Y	Y	2500pcs
HoC04358		HoT-0.4-2.5-13-JZ-W-D	0.4	2.5	3	1.65	13	Y	Y	2000pcs
HoCB0892		HoT-0.4-6-9-JZ-W	0.4	6	0.55	2.5	9	Y	N	
HoC04217		HoT0413-6-0R-JZ-W	0.4	1.3	1.4	1.5	6	Y	N	
HoC04218		HoT0413-15-0R-JZ-W-D	0.4	1.3	1.8	1.5	15	Y	Y	12000pcs
HoCB0890		HoT-0.5-1-6.4-JZ-W-A1.5	0.5	1	1.2	1.5	6.4	Y	N	
HoC04360		HoT-0.5-1.0-6.4-JZ-W-D	0.5	1	1	0.5	6.4	Y	Y	12000pcs
HoC04211		HoT-0.5-1.0-8.5-JZ-W-D	0.5	1	1	1	8.5	Y	Y	12000pcs
HoC04213		HoT-0.5-1.0-10.8-JZ-W-D	0.5	1	1	1	10.8	Y	Y	12000pcs
HoC04209		HoT-0.5-1.0-11.8-JZ-W-D	0.5	1	1	1	11.8	Y	Y	12000pcs
HoCB0884		HoT-0.5-1.0-15-JZ-W	0.5	1	1	3	15	Y	N	
HoC01262		HoT-0.5-2-15-JZ-W-D	0.5	2	4	2.5	15	Y	Y	12000pcs
HoTB0638		HoT-0.5-2-20-JZ-W	0.5	2	3	4	20	Y	N	
HoCB0490		HoT-1-3-10-JZ-W	1	3	2.2	1.5	10	Y	N	

Recommended welding parameters



Reflow Oven Profile



Wave soldering curve diagram

Performance Testing

Project	Test conditions	Reference Standards	Criteria
Overcurrent	The overload rated current is 10A per square meter. The calculation method is: material thickness × material width × 10A. For example, if the material thickness is 2mm and the width is 3mm, the overcurrent capacity = 2 mm×3mm×10A=60A	/	/
Solderability test	Solder temperature 245±5°C Soaking time: 3±0.5 seconds	Tested according to the method specified in AEC-Q200 TEST 18 J-STD-002	Solder coverage greater than 95%
Solder heat resistance test	Immerse the product in a 260±5°C tin furnace for 10±1 seconds. Take it out and let it stand for more than 60 minutes before checking the product's usage.	The test was conducted according to the method specified in AEC-Q200 TEST 15 MIL-STD-202 Method 210, and the samples were not preheated.	Performance OK
High temperature storage test	1000h at 170°C, without power supply, observe the product appearance within 24±4h after the test.	Tested according to AEC-Q200 TEST 3 MIL-STD-202 Method 108	Performance OK
High humidity test	1000 hours, 85°C, 85% relative humidity, load 10% rated power, 1000H	According to the standards AEC-Q200 TEST 7 MIL-STD-202 Method 103	Performance OK
Lowtemperature storage test	Test conditions: -55°C, storage: 1000H, take out and check the product	EC60115-1- 4.23.4 JIS-C5201-4.23.4	Performance OK
Salt spray test	Salt spray test 48 hours	GB/T10125-2012 "Artificial atmosphere corrosion test-Salt spray test"; GB/T 6461-2002 <Rating of samples and test pieces after corrosion test of metal and other inorganic coatings on metal substrates>	Performance OK
Hot and cold shock	Test conditions: from -55±3°C to +125±3°C, dwell time 15 minutes, cycle times 1000 times	The test was carried out according to the method specified in MIL-STD-202 Method 107.	Performance OK
Vibration Testing	The entire frequency range from 10 to 2000 Hz and back to 10 Hz must be traversed within 20 minutes; this cycle should be performed 12 times in each of the three mutually perpendicular directions (36 times in total).	The test is carried out according to the method specified in AEC-Q200 TEST 14 MIL-STD-202 Method 204.	Performance OK

■ Instructions:

1. Product Instructions

During product use, pay attention to surface protection to prevent defects such as bumps and scratches on the product surface.

When installing and using the product, avoid mechanical stress on the product.

The long-term power of the product should be less than or equal to the rated power to avoid resistance drift caused by long-term overload.

When using the product under high temperature or poor heat dissipation conditions, refer to the power reduction curve for derating.

Before using the product, avoid taking the product out of the package to avoid risks such as product oxidation and poor welding.

2、Product Storage Instructions

The product storage environment temperature is 5~35°C, humidity is <65%RH, and humidity should be kept as low as possible.

The product should be stored in a clean, dry environment without harmful gases.

Before using the product, avoid taking the product out of the package.

Under the above storage conditions, the product can be kept for 1 year.

For products over 1 year old, check whether the surface is oxidized and perform welding test.

■ Revision of curriculum vitae

Serial number	Modifications	Modified Date	Reason for modification	Version	Modified by	Reviewer
1						
2						
3						

statement denying or limiting responsibility

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