



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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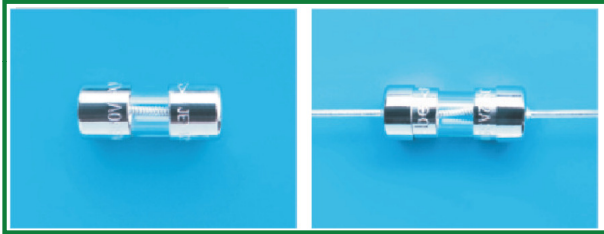
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Type 2JS / 3JS Time-lag Fuse Series

5 x 15mm Glass Tube
RoHS 6 Compliant

HF Pb 2JS / 3JS Series, 5 x 15mm Time-lag Fuse



Description

5x15 mm Time-lag ,glass tube body cartridge fuse designed, approved and complied with UL and CSA standard 248-14.

Electrical Characteristics (UL / CSA STD.248-14)

| Testing current | Blow Time | |
|-----------------|-----------|----------|
| | Minimum | Maximum |
| 100% | 4 hrs. | N/A |
| 135% | N/A | 1 hr |
| 200% | 3 sec | 20 sec |
| 500% | 100 msec | 1.5 sec |
| 1000% | 30 msec | 300 msec |

Features

- Meet UL and CSA standard 248-14
- Wide operating temperature range
- Bulk and Tape & Reel packing available
- RoHS6 compliant
- Halogen Free
- Leadfree

Applications





Provide individual protection for components or internal circuits.

- Power Supplies
- Battery charger
- Monitor
- Adapter

LEAD FREE = 

HALOGEN FREE = 

Safety Agency Approvals

| SAFETY AGENCY | SAFETY AGENCY CERTIFICATE NUMBER | AMPERE RANGE / VOLT @ I.R.ABILITY |
|---|--|---|
|  | E20624 | 100mA - 7A / 350V AC @100A 100mA - 7A / 125V AC @10,000A 100mA - 7A / 140V DC @150A |
|  | LR39772 | 100mA - 7A / 350V AC @100A 100mA - 7A / 125V AC @10,000A |
|  | JET 1037-31003-1010 JET 1037-31003-1011 | 1A - 5A / 125V AC @500A |
| | JET 1037-31003-1007 | >5A - 15A / 125V AC @300A |
|  | | 100mA - 7A / 350V AC @100A 100mA - 7A / 125V AC @10,000A 100mA - 7A / 140V DC @150A |

Specifications subject to change without notice

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bel

JS May2012D

Electrical Specifications

| Catalog Number | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% In (Volt) Max. | Voltage Rating (V) | Interrupting Rating | Melting I ₂ T <10 m Sec (A ² Sec) | Melting I ₂ T @ 10 In (A ² Sec) | Maximum Power Dissipation (W) | Agency Approvals | | | |
|----------------|---------------|-------------------------------|--------------------------------|--------------------|---|---|---|-------------------------------|------------------|---|---|---|
| | | | | | | | | | | | | |
| JS 100-R | 100mA | 13.5 | 2.42 | 350 | 100mA - 7A / 350V AC @100A 100mA - 7A / 125V AC @10,000A 100mA - 7A / 140V DC @150A | 0.068 | 0.088 | 0.22 | Y | Y | | Y |
| JS 125-R | 125mA | 7.7 | 1.68 | 350 | | 0.107 | 0.138 | 0.24 | Y | Y | | Y |
| JS 150-R | 150mA | 5.6 | 1.56 | 350 | | 0.167 | 0.216 | 0.27 | Y | Y | | Y |
| JS 200-R | 200mA | 3.5 | 1.20 | 350 | | 0.26 | 0.34 | 0.30 | Y | Y | | Y |
| JS 250-R | 250mA | 2.3 | 0.96 | 350 | | 0.41 | 0.53 | 0.34 | Y | Y | | Y |
| JS 300-R | 300mA | 1.5 | 0.78 | 350 | | 0.64 | 0.83 | 0.36 | Y | Y | | Y |
| JS 350-R | 350mA | 1.1 | 0.67 | 350 | | 0.80 | 1.0 | 0.40 | Y | Y | | Y |
| JS 400-R | 400mA | 0.86 | 0.59 | 350 | | 0.99 | 1.3 | 0.42 | Y | Y | | Y |
| JS 500-R | 500mA | 0.62 | 0.53 | 350 | | 1.6 | 2.0 | 0.47 | Y | Y | | Y |
| JS 600-R | 600mA | 0.44 | 0.53 | 350 | | 2.2 | 2.3 | 0.49 | Y | Y | | Y |
| JS 700-R | 700mA | 0.32 | 0.42 | 350 | | 3.0 | 4.0 | 0.54 | Y | Y | | Y |
| JS 750-R | 750mA | 0.28 | 0.38 | 350 | | 3.0 | 4.0 | 0.55 | Y | Y | | Y |
| JS 800-R | 800mA | 0.23 | 0.37 | 350 | | 5.0 | 7.0 | 0.60 | Y | Y | | Y |
| JS 1-R | 1A | 0.19 | 0.36 | 350 | | 5.9 | 7.8 | 0.64 | Y | Y | Y | Y |
| JS 1.25-R | 1.25A | 0.13 | 0.30 | 350 | | 9.3 | 12 | 0.71 | Y | Y | Y | Y |
| JS 1.5-R | 1.5A | 0.094 | 0.23 | 350 | | 15 | 19 | 0.80 | Y | Y | Y | Y |
| JS 2-R | 2A | 0.063 | 0.22 | 350 | | 23 | 30 | 0.89 | Y | Y | Y | Y |
| JS 2.5-R | 2.5A | 0.046 | 0.21 | 350 | | 35 | 46 | 0.99 | Y | Y | Y | Y |
| JS 3-R | 3A | 0.037 | 0.19 | 350 | | 55 | 72 | 1.10 | Y | Y | Y | Y |
| JS 3.5-R | 3.5A | 0.030 | 0.18 | 350 | | 69 | 91 | 1.16 | Y | Y | Y | Y |
| JS 4-R | 4A | 0.026 | 0.18 | 350 | 86 | 114 | 1.22 | Y | Y | Y | Y | |
| JS 5-R | 5A | 0.018 | 0.16 | 350 | 135 | 179 | 1.36 | Y | Y | Y | Y | |
| JS 6-R | 6A | 0.015 | 0.16 | 350 | 211 | 279 | 1.51 | Y | Y | Y | Y | |
| JS 7-R | 7A | 0.012 | 0.15 | 350 | 263 | 350 | 1.60 | Y | Y | Y | Y | |

Consult manufacturer for other ratings

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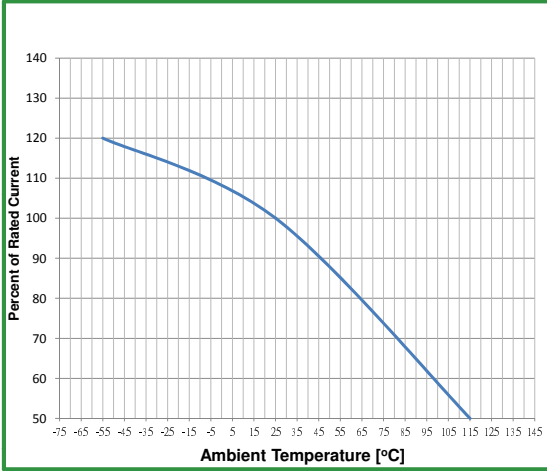
Type 2JS / 3JS Time-lag Fuse Series

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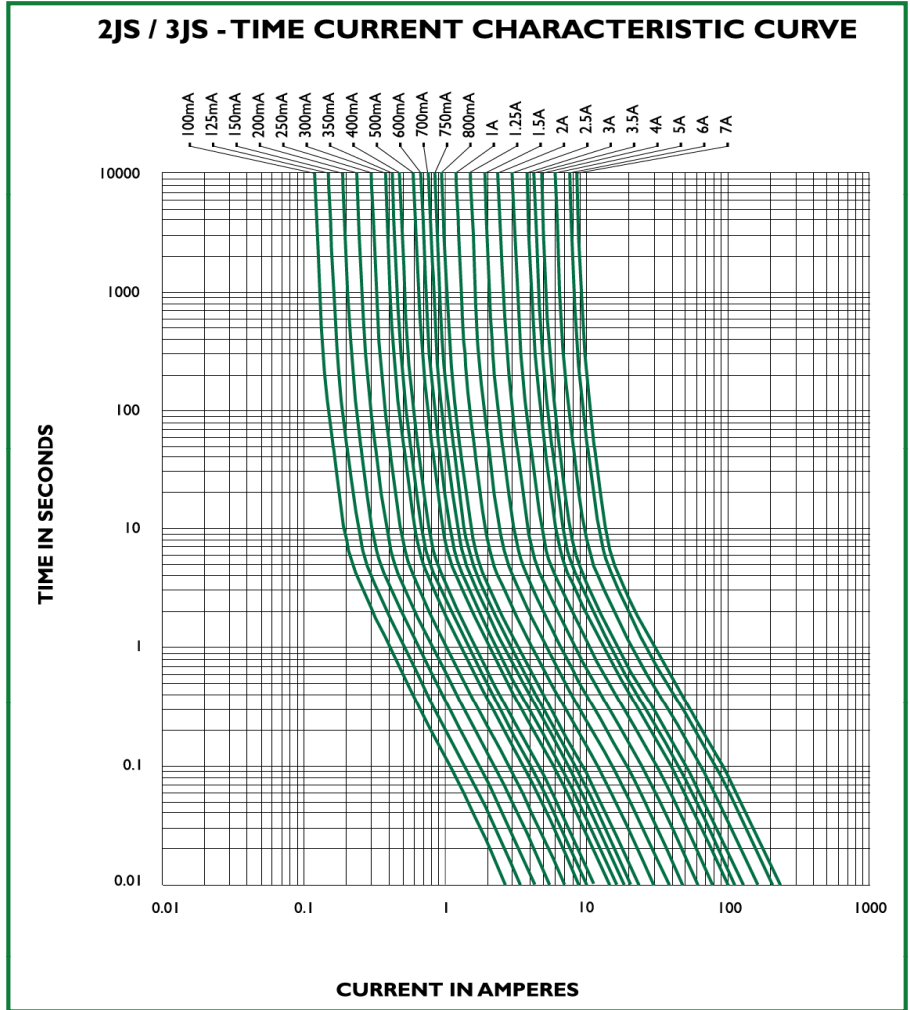


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Temperature Derating Curve

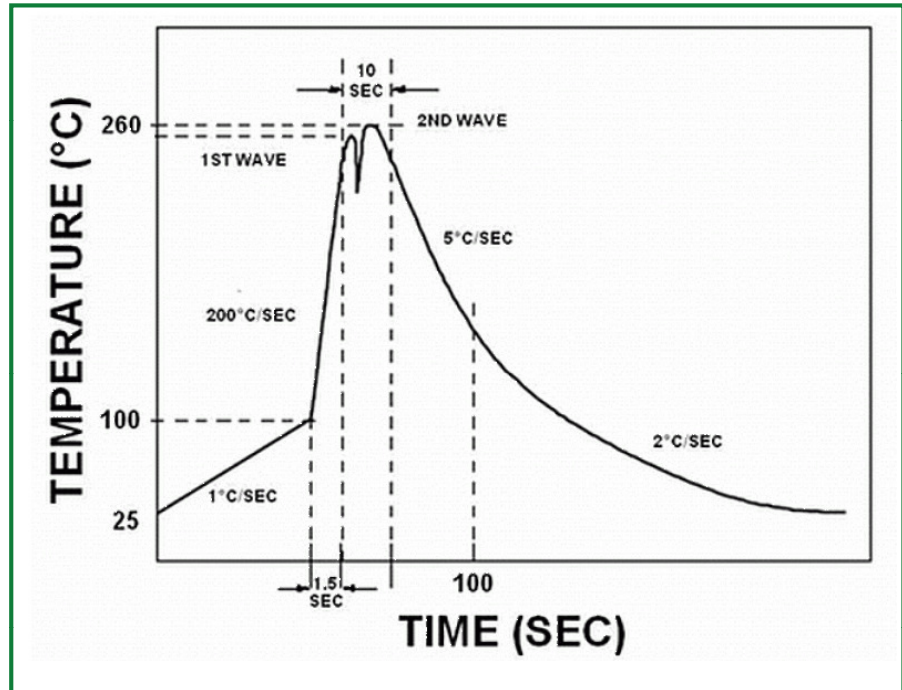


Average Time Current Curve



Soldering Parameters

| Lead-free Wave Soldering Profile | |
|---|--|
| Wave Soldering Parameter | |
| Average ramp-up rate | 200°C / second |
| Heating rate during preheat | typical 1 - 2 °C / second Max. 4°C / second |
| Final preheat temperature | within 125°C of soldering temperature. |
| Peak temperature T _p | 260°C |
| Time within +0 °C / -5°C of actual peak temperature | 10 seconds |
| Ramp-down rate | 5 °C / second max. |



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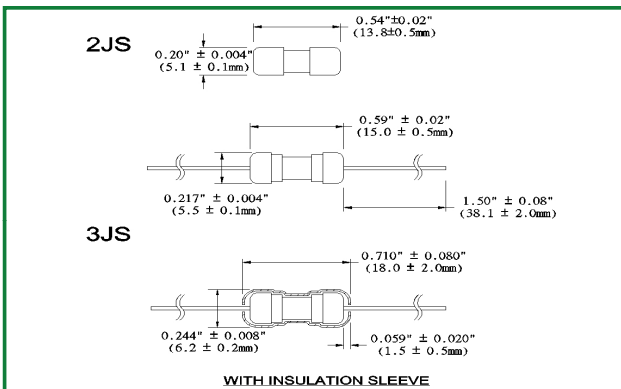
Physical Specifications

| | |
|------------------|---|
| Materials | Body : Glass |
| | Cap : Nickel Plated Brass Caps |
| | Leads: Matte Tin Plated Copper |
| Marking | On Fuse: |
| | "bel", "JS", "Current Rating", "Voltage Rating", |
| | "Appropriate Safety Logos", "✓" (RoHS 6 compliant) |
| | On label: |
| | "bel", "2JS", or "3JS", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "♻️", "e" (China RoHS compliant). |

Environmental Specifications

| | |
|----------------------------------|---|
| Shock Resistance | MIL-STD-202G, Method 213B, Test Condition I (100 G's peak for 6 milliseconds; Sawtooth Waveform) |
| Vibration Resistance | MIL-STD-202G, Method 201A (10-55 Hz, 0.06 inch, total excursion). |
| Salt Spray Resistance | MIL-STD-202G, Method 101E, Test condition B (48 hrs). |
| Insulation Resistance | MIL-STD-202G, Method 302, Test Condition A (After Opening) 10,000 ohms minimum. |
| Solderability | MIL-STD-202G, Method 208H |
| Resistance to solder Heat | MIL-STD-202G Method 210F, Test Condition B. (260+/-5 °C, 10+/- 1 sec) |
| Thermal Shock | MIL-STD-202G, Method 107G, Test Condition B (-65 °C to +125 °C). |
| Operating Temperature | -55 °C to +125 °C |
| Terminal Strength | IEC-68-2-21 |

Mechanical Dimensions



* Diameter lead 0.032" for all ratings

Ordering Information

FUSE TYPE 0658

R = RoHS Compliant

AMPERE RATING
Refer to fuse FGNO explanation table

PIGTAIL CODE
 0 = No pigtail (2JS)
 1 = Standard (axial leaded)
 4 = Axial leaded with insulation sleeve

QUANTITY & PACKAGING CODE
 1 = 200 pcs / Bulk bag, 2K / Box ,Cartridge Type Fuse
 = 500 pcs/ Bulk bag / box, Pigtail Type Fuse
 2 = 1500 pcs / Reel, Tape and Reel

Specifications subject to change without notice

Packaging

| Packaging Option | Packaging Specification | Quantity | Packaging Code | Inside Tape Spacing |
|---|-------------------------|----------|----------------|---------------------|
| Bulk (bag) | N/A | 200 | 01 | N/A |
| Bulk (Pigtail Type) | N/A | 500 | 11 | N/A |
| Bulk (Pigtail Type) with Insulation Sleeve | N/A | 500 | 41 | N/A |
| Tape & Reel, 10 mm Pitch | EIA-296-F | 1500 | 12 | 53 |
| Tape & Reel with Insulation Sleeve, 10 mm Pitch | EIA-296-F | 1500 | 42 | 53 |

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