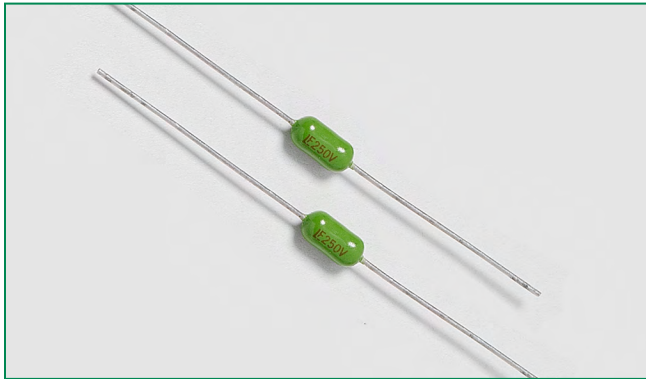


263 Series, PICO® II 250 Volt Fuse, Very Fast Acting



Description

The PICO® II 263 Series Fuse is a specially designed axial leaded fuse that achieves a 250V rating in a small package.

Features

- 250V rating
- Very fast-acting
- Small size
- Wide range of current rating available (62mA to 5A)
- RoHS compliant and Halogen-free
- Wide operating temperature range
- Low temperature derating




Applications

- Lighting system
- Power supply
- LCD/PDP TV
- LCD monitor
- Office automation machines
- Audio/Video system
- Medical equipment

Electrical Characteristics

| % of Ampere Rating | Opening Time |
|--------------------|-------------------------|
| 100% | 4 Hours, Min. |
| 200% | 1 Second, Max. |
| 300% | 0.1 Second, Max. |

Agency Approvals

| Agency | Agency File Number | Ampere Range |
|---|----------------------|--------------|
|  | E10480 | 0.062 - 5A |
|  | PSE_NBK200416-JP1021 | 1A - 5A |
|  | 29862 | 0.125 - 5A |

Additional Information



Datasheet






Resources



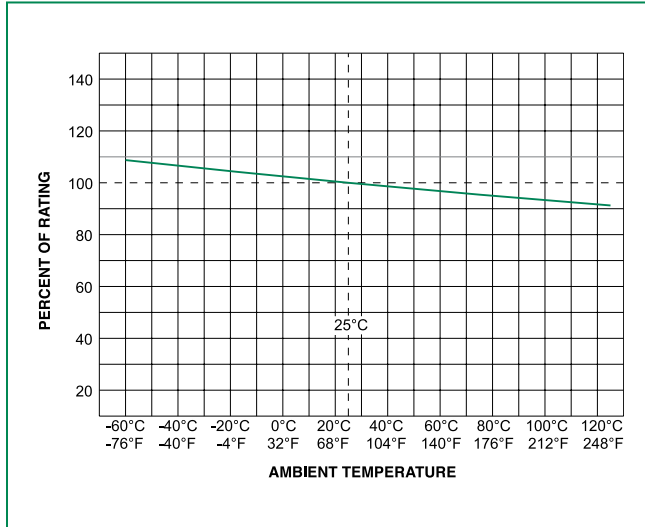
Samples

Electrical Characteristics

| Ampere Rating (A) | Amp Code | Max Voltage Rating (V) | Interrupting Rating | Nominal Cold Resistance (Ohms) | Nominal Melting I ² t (A ² sec) | Nom Voltage Drop (mV) | Agency Approvals | | |
|-------------------|----------|------------------------|--------------------------------|--------------------------------|---|-----------------------|---|---|---|
| | | | | | | |  |  |  |
| 0.062 | .062 | 250 | 50A@250VAC PSE: 100A@125VAC | 5.50 | 0.000192 | 0.74 | x | | |
| 0.125 | .125 | 250 | | 1.745 | 0.00251 | 0.3 | x | | x |
| 0.250 | .250 | 250 | | 0.715 | 0.0165 | 0.235 | x | | x |
| 0.375 | .375 | 250 | | 0.391 | 0.0444 | 0.195 | x | | x |
| 0.500 | .500 | 250 | | 0.252 | 0.084 | 0.302 | x | | x |
| 0.750 | .750 | 250 | | 0.150 | 0.0411 | 0.176 | x | | x |
| 1.00 | 001. | 250* | | 0.105 | 0.087 | 0.165 | x | x | x |
| 1.50 | 01.5 | 250* | | 0.0635 | 0.2958 | 0.148 | x | x | x |
| 2.00 | 002. | 250* | | 0.0444 | 0.74 | 0.137 | x | x | x |
| 2.50 | 02.5 | 250* | | 0.0340 | 1.197 | 0.128 | x | x | x |
| 3.00 | 003. | 250* | | 0.0274 | 1.77 | 0.1225 | x | x | x |
| 3.50 | 03.5 | 250* | | 0.0224 | 2.33 | 0.1175 | x | x | x |
| 4.00 | 004. | 250* | | 0.0193 | 3.08 | 0.1125 | x | x | x |
| 5.00 | 005. | 250* | | 0.0145 | 5.55 | 0.1065 | x | x | x |

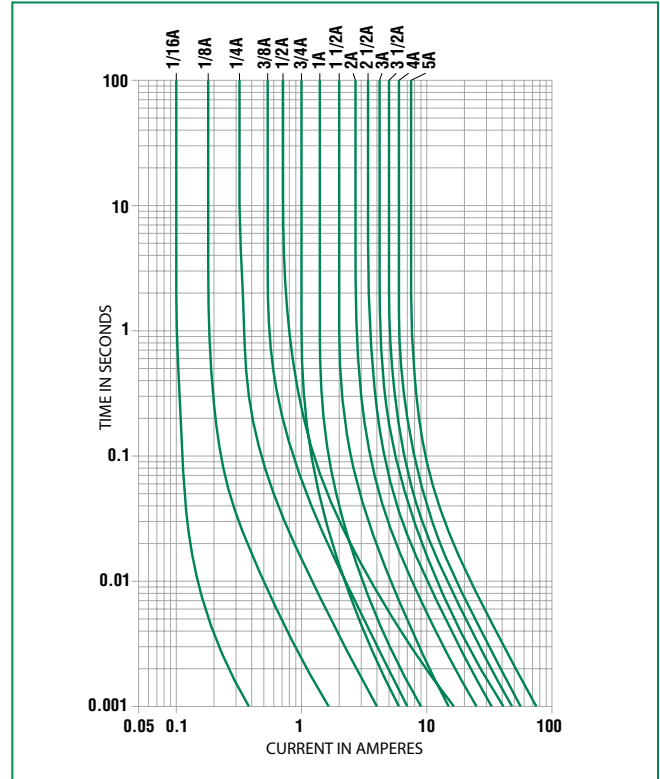
* PSE Approval has max. voltage range of 125VAC.

Temperature Re-rating Curve



Note:
Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters

Recommended Process Parameters:

| Wave Parameter | Lead-Free Recommendation |
|---|-----------------------------------|
| Preheat: (Depends on Flux Activation Temperature) | (Typical Industry Recommendation) |
| Temperature Minimum: | 100° C |
| Temperature Maximum: | 150° C |
| Preheat Time: | 60-180 seconds |
| Solder Pot Temperature: | 260° C Maximum |
| Solder Dwell Time: | 2-5 seconds |

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350° C +/- 5° C
Heating Time: 5 seconds max.

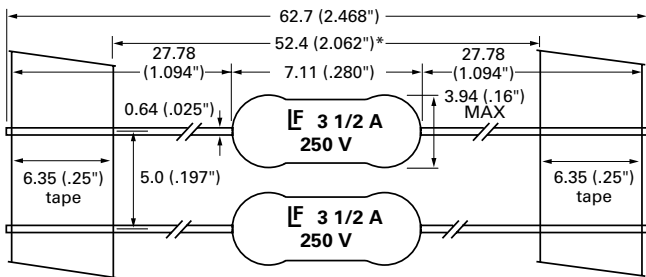
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

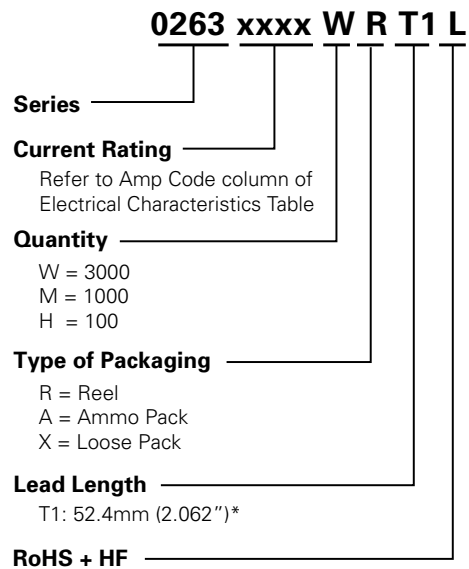
| | |
|------------------------------|--|
| Materials | Encapsulated, Epoxy-Coated Body; Solder Coated Copper Leads. RoHS compliant Product: Pure Tin-coated Copper wire leads |
| Solderability | MIL-STD-202, Method 208. |
| Product Marking | Body marking, current rating and logo |
| Operating Temperature | -55°C to +125°C (Consider re-rating) |
| Shock | MIL-STD-202, Method 213, Test Condition I (100 G's peak for 6 milliseconds) |

| | |
|---|---|
| Vibration | MIL-STD-202, Method 201 (10-55 Hz); MIL-STD-202, Method 204, Test Condition C (55-2000 Hz at 10 G's Peak) |
| Salt Spray | MIL-STD-202, Method 101, Test Condition B (48 hrs.) |
| Insulation Resistance (After Opening): | MIL-STD-202, Method 302, Test Condition A (10,000 ohms minimum at 100 volts) |
| Resistance to Soldering Heat | MIL-STD-202, Method 210, Test Condition C (10 sec. at 260°C) |
| Thermal Shock | MIL-STD-202, Method 107, Test Condition B (-55°C to 125°C) |
| Moisture Resistance | MIL-STD-202, Method 106 |
| Lead Pull Force | MIL-STD-202, Method 211, Test Condition A (will withstand 7 lb. axial pull test) |

Dimensions



Part Numbering System



Packaging

| Packaging Option | Packaging Specification | Quantity | Quantity & Packaging Code |
|--------------------------------------|-------------------------|---|---------------------------|
| T1: 52.4mm (2.062") Tape and Reel | EIA 296 | Please refer to available quantities above in "Part Numbering System" | |

Notes: * T1 dimension is defined as the length of the component between the two tapes. The full component length is 62.7mm (2.468").