

# Axial Lead and Cartridge Fuses

## Subminiature

### RoHS PICO® II 250 Volt Very Fast-Acting Fuse 263 Series



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

- **RoHS Compliant** version now available, use ordering suffix 'L' (see example on data sheet).

#### ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Opening Time               |
|--------------------|----------------------------|
| 100%               | 4 hours, <b>Minimum</b>    |
| 200%               | 1 second, <b>Maximum</b>   |
| 300%               | 0.1 second, <b>Maximum</b> |

**AGENCY APPROVALS:** Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

**AGENCY FILE NUMBERS:** UL E10480, CSA LR 29862.

**INTERRUPTING RATING:** 50 amperes at 250 VAC.

#### ENVIRONMENTAL SPECIFICATIONS:

**Operating Temperature:** -55°C to 125°C.

**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.

#### PHYSICAL SPECIFICATIONS:

**Materials:** Encapsulated, Epoxy-Coated Body; Solder Coated Copper Leads. RoHS Compliant Product: Pure Tin coated copper wire leads.

#### Soldering Parameters:

Wave Solder — 260°C, 10 seconds maximum.

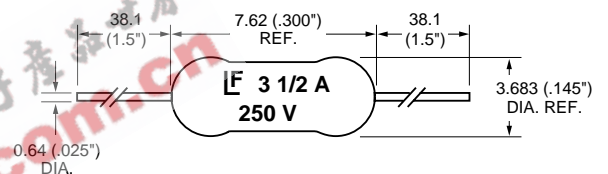
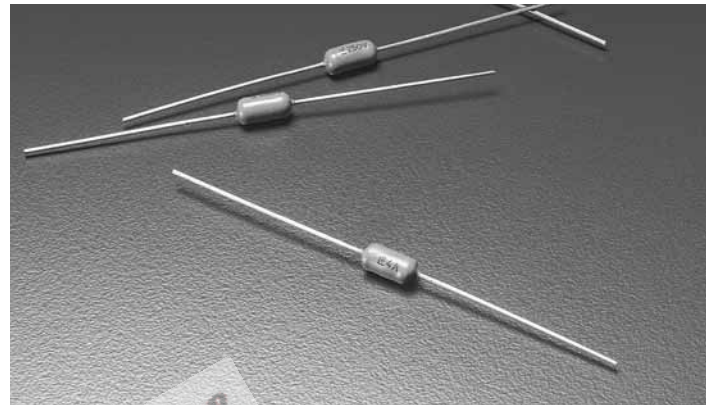
**Solderability:** MIL-STD-202, Method 208.

**Lead Pull Force:** MIL-STD-202, Method 211, Test Condition A (will withstand 7 lb. axial pull test).

#### PATENTED

#### ORDERING INFORMATION:

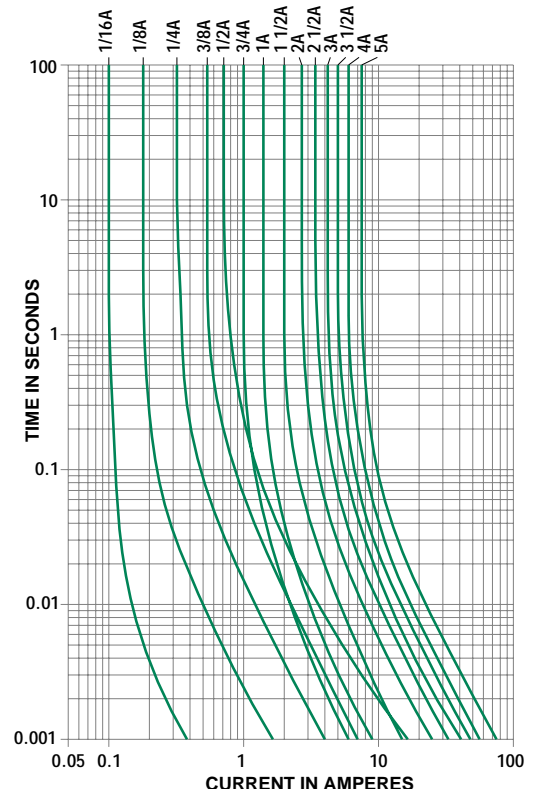
| Catalog Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohms | Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec. |
|----------------|---------------|----------------|------------------------------|--|
| 0263.062       | 1/16          | 250            | 5.50                         | 0.000192   |
| 0263.125       | 1/8           | 250            | 1.75                         | 0.00251  |
| 0263.250       | 1/4           | 250            | 0.715                        | 0.0165   |
| 0263.375       | 3/8           | 250            | 0.391                        | 0.0444   |
| 0263.500       | 1/2           | 250            | 0.252                        | 0.1125   |
| 0263.750       | 3/4           | 250            | 0.150                        | 0.0411   |
| 0263.001       | 1             | 250            | 0.105                        | 0.087  |
| 0263.01.5      | 1½            | 250            | 0.0635                       | 0.398  |
| 0263.002       | 2             | 250            | 0.0444                       | 0.74   |
| 0263.02.5      | 2½            | 250            | 0.0340                       | 1.197  |
| 0263.003       | 3             | 250            | 0.0274                       | 1.77   |
| 0263.03.5      | 3½            | 250            | 0.0224                       | 2.33   |
| 0263.004       | 4             | 250            | 0.0193                       | 3.08   |
| 0263.005       | 5             | 250            | 0.0145                       | 5.55   |



**PACKAGING SPECIFICATIONS:** Tape and Reel per EIA-296; T1: 2.062" (52.4mm) taped spacing; 3,000 per reel.

**Options:** For **RoHS Compliant** devices add the letter 'L' to end of packaging suffix. Example: 263001. WRT1L (RoHS Compliant 1A, 3,000 per reel).

#### Average Time Current Curves



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