

# Axial Lead and Cartridge Fuses

## Subminiature

### RoHS PICO® II Time Lag Fuse 471 Series



- The PICO® II time-lag fuse is designed for applications that require moderate inrush withstand.
- For additional inrush withstand, consult the 473 Series.
- **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%               | 120 seconds, <b>Max.</b> |

**AGENCY APPROVALS:** Recognized under the Components Program of Underwriters Laboratories and Certified by CSA. Approved by METI from 1 through 5 amperes.

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

**INTERRUPTING RATINGS:** 50 amperes at 125 VAC and VDC.

#### 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); Method 204, Test Condition C (55–2000 Hz at 10 G's Peak).

**Moisture Resistance:** MIL-STD-202, Method 106.

#### PHYSICAL SPECIFICATIONS:

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

**Flammability Rating:** UL 94V0

#### Soldering Parameters:

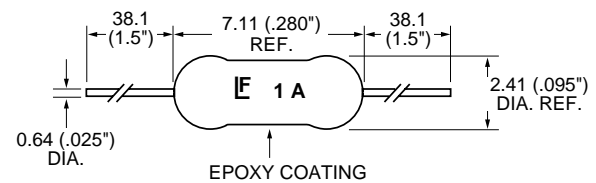
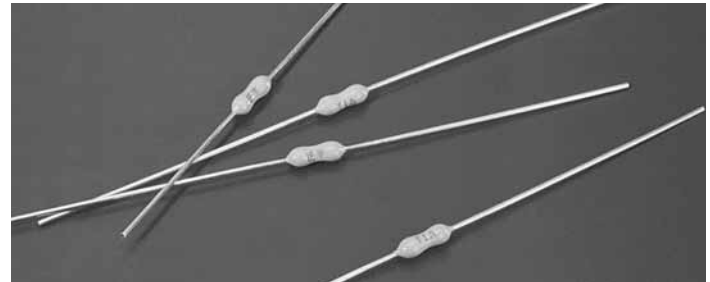
Wave Solder — 260°C, 10 seconds maximum.

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

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

#### ORDERING INFORMATION:

| Catalog Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohms | Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec. |
|----------------|---------------|----------------|------------------------------|--|
| 0471.500       | 1/2           | 125            | 0.189                        | 0.159  |
| 0471 001.      | 1             | 125            | 0.085                        | 0.722  |
| 0471 01.5      | 1 1/2         | 125            | 0.054                        | 1.610  |
| 0471 002.      | 2             | 125            | 0.039                        | 2.500  |
| 0471 02.5      | 2 1/2         | 125            | 0.030                        | 4.390  |
| 0471 003.      | 3             | 125            | 0.023                        | 6.960  |
| 0471 004.      | 4             | 125            | 0.012                        | 10.600   |
| 0471 005.      | 5             | 125            | 0.008                        | 15.400   |



**PACKAGING SPECIFICATIONS:** Tape and Reel per EIA-296; T1: 2.062" (52.4mm) taped spacing; 5,000 per reel.

**Options:** For **RoHS Compliant** devices add the letter 'L' to end of packaging suffix. Example: 0471001.NRT1L (RoHS Compliant 1A, 5,000 per reel).

#### Average Time Current Curves

