

# Axial and Radial Lead Fuses

## Subminiature

### PICO® Fuse Very Fast-Acting Fuse 275/276 Series



#### ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Ampere Rating | Opening Time        |
|--------------------|---------------|---------------------|
| 100%               | 1/16-30       | 4 hours, Minimum    |
|                    | 1/16-10       | 5 second, Maximum   |
| 200%               | 12-30         | 10 seconds, Maximum |

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

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

#### INTERRUPTING RATINGS:

300 amperes at rated VDC

50 amperes at rated 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) and per method 2028 (78 G's peak for 11 milliseconds).

**Vibration:** MIL-STD-202, Method 204A; Test Condition D (vibrations of 10-2000 cps at 20 G's).

**Insulation Resistance (After Opening):** MIL-STD-202, Method 302, Test Condition A (1/2 Megohm minimum).

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

#### PHYSICAL SPECIFICATIONS:

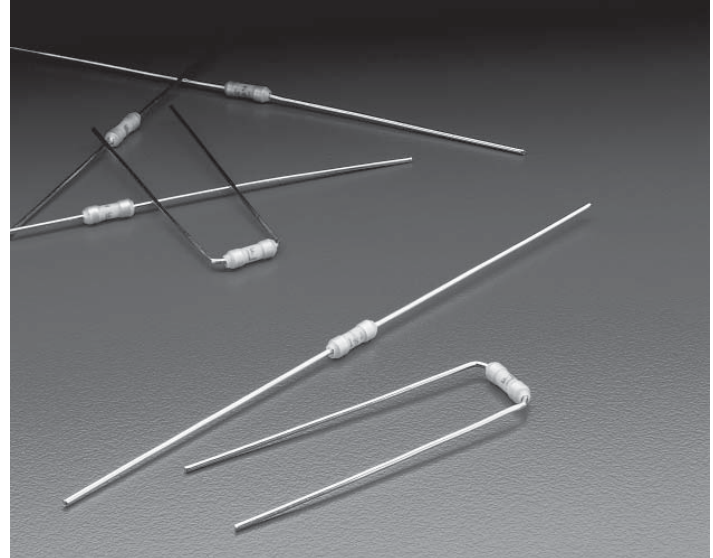
**Materials:** Solder-Coated Copper Leads. R

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

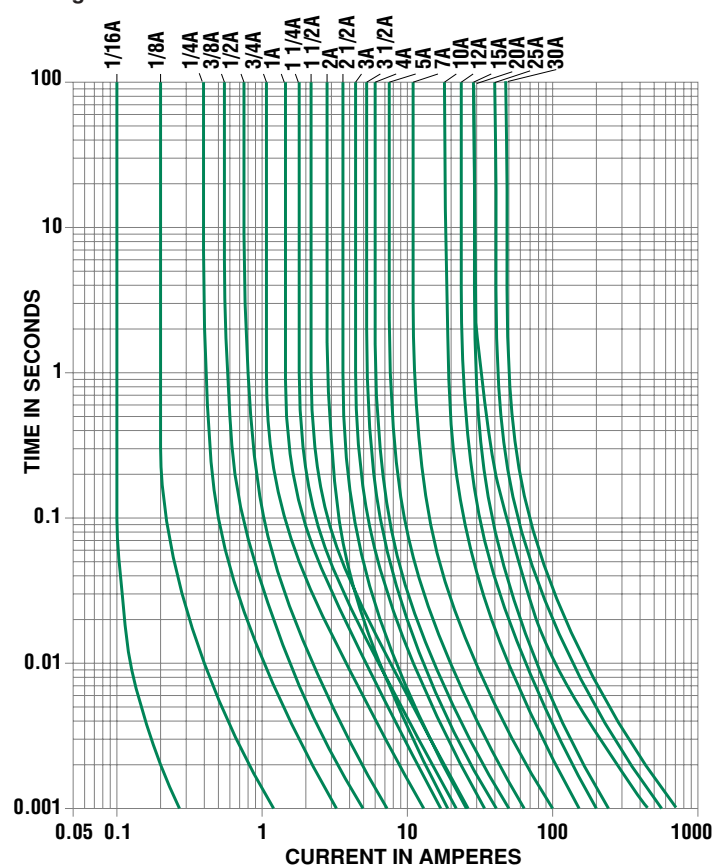
**Lead Pull Force:** MIL-STD-202, Method 211, Test Condition A (will withstand a 5 lb. axial pull test).

**VARIATIONS IN DESIGN:** Picofuses which differ from the standard versions as presented on this page can be provided for a commercial or military use. One such design version is where the picofuse terminates at one end of a pin for use as a single or multi-pin connector. Extreme accuracy in blowing time at 300% or more of rating, makes these picofuses suitable for use in circuits where sequential switching or redundancy may be required. The small size of the fuse, its non-hygroscopic characteristic and infinitesimal weight makes it the ideal fuse for micro-electronic circuits.

#### PATENTED



Average Time Current Curves



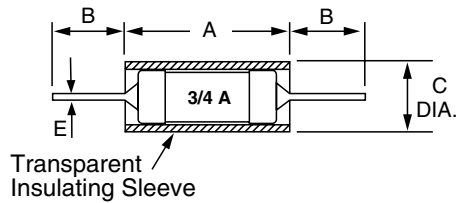
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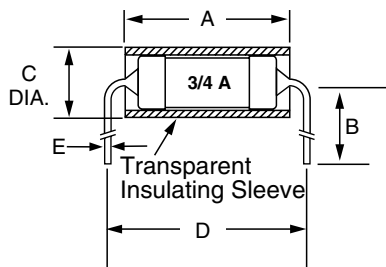
### PICO® FUSE Very Fast-Acting Fuse 275/276



#### 275 000 Series



#### 276 000 Series



| Amperage  | Dimensions in mm (inches) |                 |                 |                  |                  |
|-----------|---------------------------|-----------------|-----------------|------------------|------------------|
|           | A                         | B               | C               | D                | E                |
| 1/16 - 10 | 7.11<br>(.28")            | 38.1<br>(1.50") | 2.36<br>(.093") | 8.33<br>(.328")  | .635<br>(.025")  |
| 12 - 15   | 7.11<br>(.28")            | 38.1<br>(1.50") | 2.36<br>(.093") | 9.12<br>(.359")  | .812<br>(.032")  |
| 20 - 30   | 7.87<br>(.31")            | 38.1<br>(1.50") | 3.38<br>(.133") | 10.72<br>(.422") | 1.016<br>(.040") |

#### ORDERING INFORMATION:

| PART NUMBER |              | AMPERE RATING | VOLTAGE RATING | AVERAGE COLD RESISTANCE IN OHMS |
|-------------|--------------|---------------|----------------|---------------------------------|
| AXIAL LEADS | RADIAL LEADS |               |                |                                 |
| 275.062     | 276.062      | 1/16          | 125            | 7.0000                          |
| 275.125     | 276.125      | 1/8           | 125            | 2.1800                          |
| 275.250     | 276.250      | 1/4           | 125            | 0.7400                          |
| 275.375     | 276.375      | 3/8           | 125            | 0.4300                          |
| 275.500     | 276.500      | 1/2           | 125            | 0.2800                          |
| 275.750     | 276.750      | 3/4           | 125            | 0.1640                          |
| 275 001     | 276 001      | 1             | 125            | 0.1260                          |
| 275 01.5    | 276 01.5     | 1-1/2         | 125            | 0.0810                          |
| 275 002     | 276 002      | 2             | 125            | 0.0550                          |
| 275 02.5    | 276 02.5     | 2-1/2         | 125            | 0.0420                          |
| 275 003     | 276 003      | 3             | 125            | 0.0360                          |
| 275 03.5    | 276 03.5     | 3-1/2         | 125            | 0.0275                          |
| 275 004     | 276 004      | 4             | 125            | 0.0220                          |
| 275 005     | 276 005      | 5             | 125            | 0.0140                          |
| 275 007     | 276 007      | 7             | 125            | 0.0100                          |
| 275 010     | 276 010      | 10            | 125            | 0.0060                          |
| 275 012     | 276 012      | 12            | 32             | contact Littelfuse              |
| 275 015     | 276 015      | 15            | 32             | 0.0040                          |
| 275 020     | 276 020      | 20            | 32             | contact Littelfuse              |
| 275 025     | 276 025      | 25            | 32             | contact Littelfuse              |
| 275 030     | 276 030      | 30            | 32             | contact Littelfuse              |