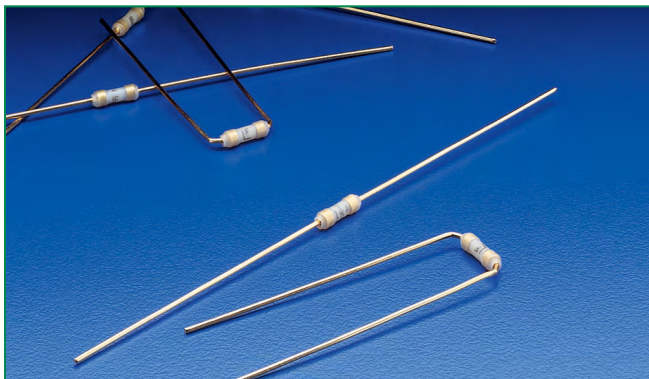



### 265/266/267 Series, PICO® Very Fast-Acting Fuse (High-Reliability)



#### Agency Approvals

| Agency  | Agency File Number | Ampere Range | Series  |
|---|--------------------|--------------|---------|
|  | 29862              | 0.062 - 10A  | 265/266 |
| <b>QPL</b>  | FM08A              | 0.062 - 10A  | 267     |

#### Description

The 265/266/267 Series are high-reliability PICO® Fuses, that are very fast-acting, with an insulating sleeve. **These fuses provide supplemental protection in end-use equipment to provide protection for components or internal circuits. They are not suitable for branch or feeder circuit use.** The Military version of the 265 Series (except 1/16 ampere rating) is available in FM08A on QPL for MIL-PRF-23419/8. To order, change 265 to 267.


#### Features

- Military grade available
- RoHS compliant
- Available from 0.062A to 15A
- Available in axial and radial leaded
- Available in miniature and subminiature formats

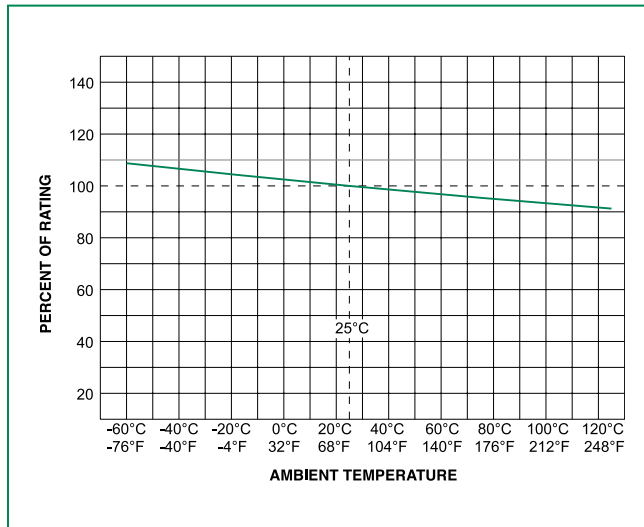
#### Electrical Characteristics

| % of Ampere Rating | Ampere Rating | Opening Time           |
|--------------------|---------------|------------------------|
| 100%               | 1/16–15       | 4 Hours, <b>Min.</b>   |
| 200%               | 1/16–7        | 1 Second, <b>Max.</b>  |
|                    | 10            | 3 Second, <b>Max.</b>  |
|                    | 15            | 10 Second, <b>Max.</b> |

#### Electrical Characteristics

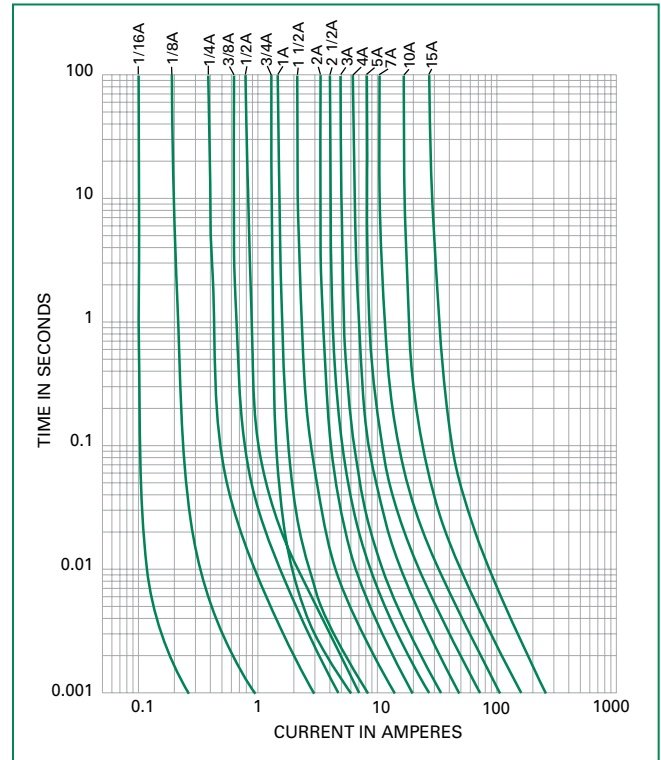
| Ampere Rating (A) | Amp Code | Max Voltage Rating (V) | Interrupting Rating       | Nominal Cold Resistance (Ohms) | Agency Approvals  |            |
|-------------------|----------|------------------------|---------------------------|--------------------------------|---|------------|
|                   |          |                        |                           |                                |  | <b>QPL</b> |
| 0.062             | .062     | 125                    | 300A@125VDC<br>50A@125VAC | 6.9900                         | X   | X          |
| 0.125             | .125     | 125                    |                           | 2.1000                         | X   | X          |
| 0.250             | .250     | 125                    |                           | 0.7100                         | X   | X          |
| 0.375             | .375     | 125                    |                           | 0.4200                         | X   | X          |
| 0.500             | .500     | 125                    |                           | 0.2800                         | X   | X          |
| 0.750             | .750     | 125                    |                           | 0.1700                         | X   | X          |
| 1.00              | .001     | 125                    |                           | 0.1250                         | X   | X          |
| 1.50              | .015     | 125                    |                           | 0.0800                         | X   | X          |
| 2.00              | .002     | 125                    |                           | 0.0550                         | X   | X          |
| 2.50              | .025     | 125                    |                           | 0.0420                         | X   | X          |
| 3.00              | .003     | 125                    |                           | 0.03515                        | X   | X          |
| 4.00              | .004     | 125                    |                           | 0.0230                         | X   | X          |
| 5.00              | .005     | 125                    |                           | 0.0140                         | X   | X          |
| 7.00              | .007     | 125                    |                           | 0.0100                         | X   | X          |
| 10.0              | .010     | 125                    |                           | 0.00645                        | X   | X          |
| 15.0              | .015     | 32                     | 300A@32VDC<br>50A@32VAC   | 0.0040                         | X   | X          |

## Temperature Re-rating Curve

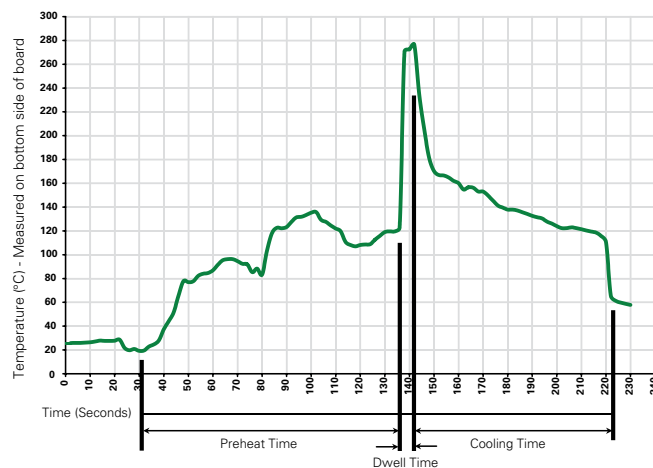


Note:  
Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

## Average Time Current Curves



## Soldering Parameters\



## Recommended Process Parameters:

| Wave Parameter  | Lead-Free Recommendation          |
|---|-----------------------------------|
| <b>Preheat:</b><br>(Depends on Flux Activation Temperature) | (Typical Industry Recommendation) |
| Temperature Minimum:  | 100°C                             |
| Temperature Maximum:  | 150°C                             |
| Preheat Time:   | 60-180 seconds                    |
| <b>Solder Pot Temperature:</b>                              | 280°C Maximum                     |
| <b>Solder Dwell Time:</b>                                   | 2-5 seconds                       |

## Recommended Hand-Solder Parameters:

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

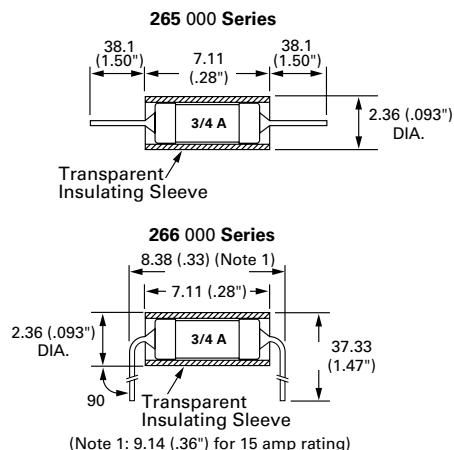
**Note: These devices are not recommended for IR or Convection Reflow process.**

### Product Characteristics

|                        |   |
|------------------------|---|
| <b>Materials</b>       | Body: White Thermoplastic<br>Gold-Plated Copper Leads, Type II  |
| <b>Weight</b>          | .32 Grams   |
| <b>Solderability</b>   | MIL-STD-202, Method 208   |
| <b>Lead Pull Force</b> | MIL-STD-202, Method 211, Test Condition A (will withstand a 5 lbs. axial pull test)<br>AQL (Electrical Characteristics): Certified to 1 % AQL   |
| <b>Sampling</b>        | Per MIL-STD-105, Inspection Level II.<br>Traceability and Identification Records: Controlled by lot number and retained on file for a minimum of three years. Copies of Lot Certification Test data available when requested with order   |
| <b>Options</b>         | Special screening tests, burn-in, etc. can be supplied on special order to meet specific requirements. For information on higher current ratings, contact Littelfuse.<br><br>267 series fuses are offered with optional solder coated leads. To order, enter XT as the end suffix (see Part Numbering System section) |

|  |  |
|--|--|
| <b>Operating Temperature</b>                 | -55°C to +125°C  |
| <b>Shock</b>                                 | MIL-STD-202, Method 213, Test Condition I (100 G's peak for 6 milliseconds).   |
| <b>Vibration</b>                             | MIL-STD-202, Method 201 (10-55 Hz); MIL-STD-202, Method 204, Test Condition C (55-2000 Hz at 10 G's Peak)            |
| <b>Salt Spray</b>                            | MIL-STD-202, Method 101, Test Condition B  |
| <b>Seal Test</b>                             | MIL-STD-202, Method 112, Test Condition A  |
| <b>Insulation Resistance (After Opening)</b> | MIL-STD-202, Method 302, Test Condition A (1/2 Megohm minimum)   |
| <b>Thermal Shock</b>                         | MIL-STD-202, Method 107, Test Condition B (-65°C to 125°C).  |
| <b>Moisture Resistance</b>                   | MIL-STD-202, Method 106  |
| <b>Fuses To MIL SPEC</b>                     | 265 Series (except 1/16 ampere rating) is available as FM08A on QPL for MIL-PRF-23419/8. To order, change 265 to 267 |

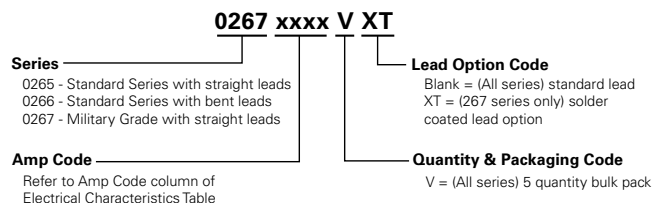
### Dimensions



### Packaging

| Packaging Option | Quantity | Quantity & Packaging Code |
|------------------|----------|---------------------------|
| Bulk Pack        | 5        | V                         |

### Part Numbering System



### Additional Information



**Datasheet 265 Series**



**Resources 265 Series**



**Samples 265 Series**



**Datasheet 266 Series**



**Resources 266 Series**



**Samples 266 Series**



**Datasheet 267 Series**



**Resources 267 Series**



**Samples 267 Series**

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[0265.125V](#) [0266.750V](#) [026701.5V](#) [0265.062VT](#) [0266.062VT](#) [026501.5VT](#) [026601.5VT](#) [0266.375VT](#) [0267.375VT](#)  
[0265.375VT](#) [0265.250V](#) [0266.500V](#) [0267015VT](#) [0266007VT](#) [0265.250VT](#) [0267.250VT](#) [0266.250VT](#) [026501.5V](#)  
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