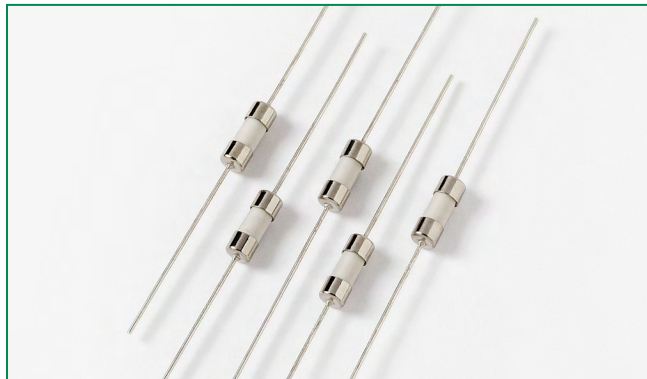


Axial Lead & Cartridge Fuses

3.6 X 10 mm > Fast-Acting Fuse > 876 Series

876 Series Fuse, Lead-free 3.6×10 mm, Fast-Acting Fuse



Description

Single Pigtail Axial Lead 3.6 ×10mm Fast-Acting Fuse

Features

- Designed to meet IEC 60127-3 Standard Sheet 3
- Fast-Acting, ceramic body fuse in a compact package
- Single Pigtail Axial Lead format
- Pb-free, RoHS compliant
- Available in ratings of .125 to 5 Amperes






Applications

- This space saving fuse is ideally suited for lighting, power supply, and adapter applications.

Electrical Characteristics

| % of Ampere Rating | Opening Time |
|--------------------|---------------------------|
| 150% | 60 minutes, Minimum |
| 210% | 30 minutes, Maximum |
| 275% | 10 ms., Min.; 3 sec. Max. |
| 400% | 3 ms., Min.; 300 ms. Max. |
| 1000% | 20 ms. Max. |

Agency Approvals

| Agency | Agency File Number | Ampere Range |
|---|--------------------|---------------------|
|  | 40022494 | 0.125A, 0.630A - 5A |
|  | E10480 | 0.125A - 5A |
|  | NBK240212-JP1021 | 1.6A - 5A |
|  | SU05024-11001 | 0.125A - 0.630A |
| | SU05024-11002 | 1.6A - 2A |
| | SU05024-11003 | 4A - 5A |
|  | CQC09012035958 | 0.125A - 5A |

Additional Information



Datasheet








Resources



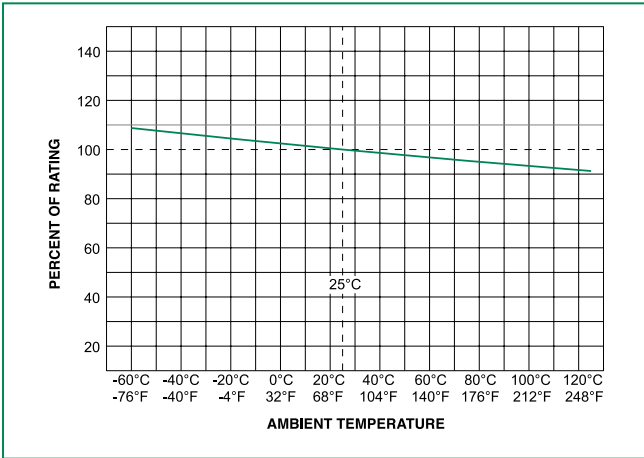
Samples

Electrical Characteristics

| Amp Code | Ampere Rating (A) | Voltage Rating (V) | Interrupting Rating | Nominal Cold Resistance (Ohms) | Nominal Melting I ² t (A ² sec) | Nominal Voltage Drop (mV) | Nominal Power Dissipation (mW) | Agency Approvals | | | | |
|----------|-------------------|--------------------|---------------------|--------------------------------|---|---------------------------|--------------------------------|---|---|---|---|---|
| | | | | | | | |  |  |  |  |  |
| .125 | 0.125 | 250 | 35A @ 250 V AC | 1.066 | 0.020 | 168 | 60 | x | x | | x | x |
| .160 | 0.160 | 250 | 35A @ 250 V AC | 1.000 | 0.028 | 183 | 92 | | x | | x | x |
| .250 | 0.250 | 250 | 35A @ 250 V AC | 0.573 | 0.110 | 87 | 62 | | x | | x | x |
| .630 | 0.630 | 250 | 35A @ 250 V AC | 0.131 | 0.170 | 102 | 221 | x | x | | x | x |
| 01.6 | 1.6 | 250 | 35A @ 250 V AC | 0.0388 | 1.8 | 70 | 382 | x | x | x | x | x |
| 002. | 2.0 | 250 | 35A @ 250 V AC | 0.0329 | 2.51 | 70 | 470 | x | x | x | x | x |
| 004. | 4.0 | 250 | 40A @ 250 V AC | 0.0149 | 14.64 | 70 | 985 | x | x | x | x | x |
| 005. | 5.0 | 250 | 50A @ 250 V AC | 0.0111 | 26.85 | 66 | 1200 | x | x | x | x | x |

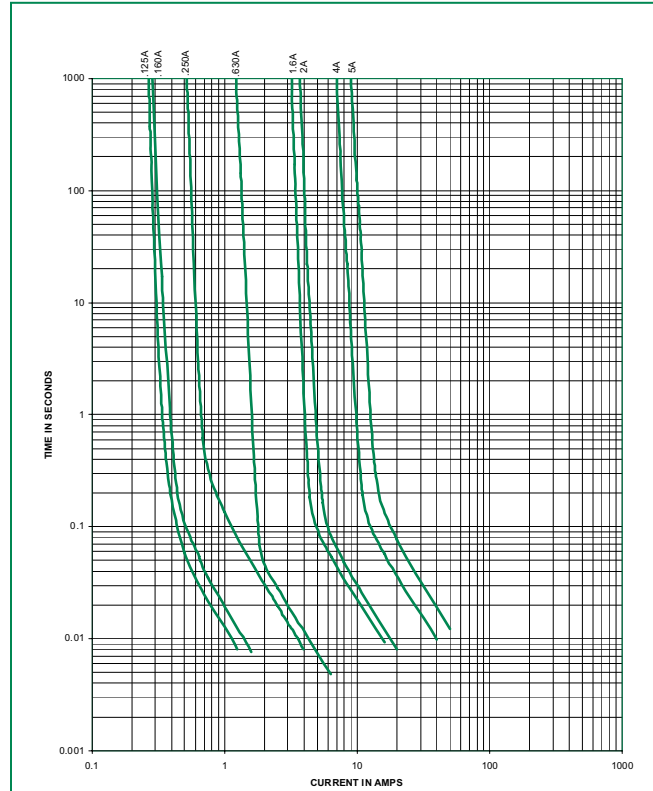
Notes:
Cold resistance measured at less than 10% of rated current at 23°C.

Temperature Re-rating Curve

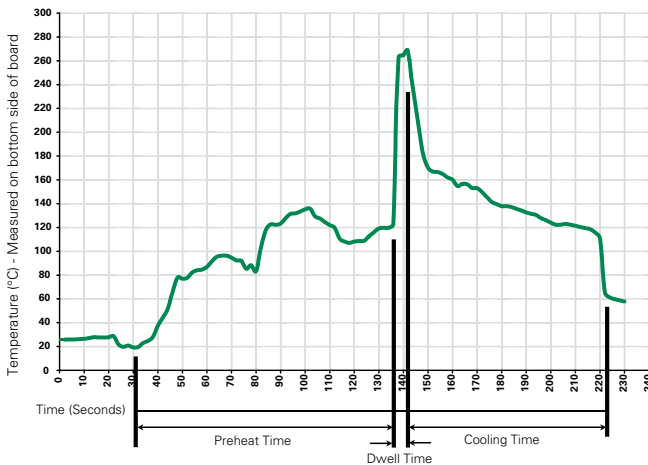


Note:
Derating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters - Wave Soldering



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.

Axial Lead & Cartridge Fuses

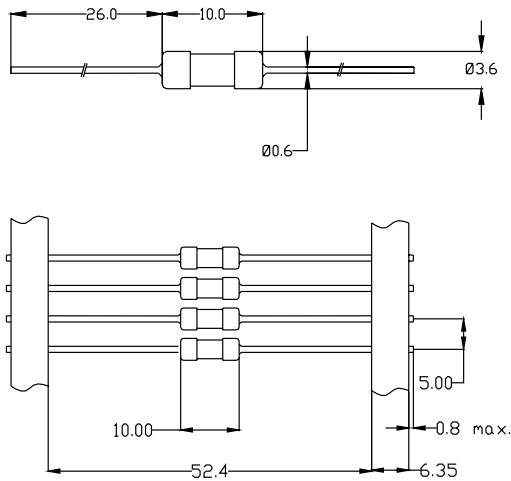
3.6 X 10 mm > Fast-Acting Fuse > 876 Series

Product Characteristics

| | |
|--------------------------|--|
| Materials | Body: Ceramic Cap: Nickel Plated Brass Tin Plated Copper |
| Terminal Strength | MIL-STD-202 Method 211, Test Condition A |
| Solderability | Reference IEC 60127 Second Edition 2003-01 Annex A |
| Product Marketing | Body: Brand Logo, Current Rating Characteristic "F"; |
| Packaging | Bulk (1000 pcs/pkg) Tape & Reel (1000 pcs/reel) |

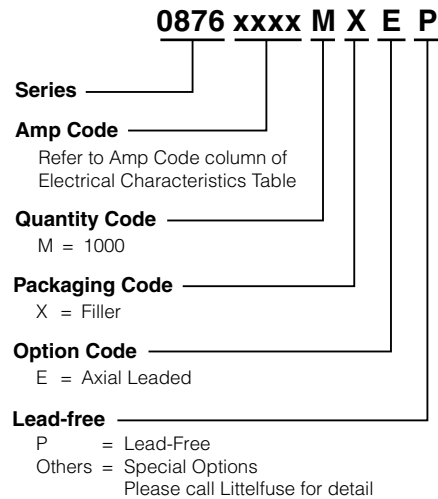
| | |
|------------------------------|--|
| Operating Temperature | -55°C to 125°C |
| Thermal Shock | MIL-STD-202, Method 107 Test Condition B3 (5 cycles -65°C to +125°C) |
| Vibration | MIL-STD-202, Method 201 (10-55 Hz) |
| Humidity | MIL-STD-202, Method 106, High Humidity (90-98%RH), Heat (65°C) |
| Salt Spray | MIL-STD-202, Method 101, Test Condition B |

Dimensions



All dimensions in mm

Part Numbering System



Packaging

| Packaging Option | Packaging Specification | Quantity | Quantity & Packaging Code | Taping Width |
|-------------------|-------------------------|----------|---------------------------|---------------------|
| 876 Series | | | | |
| Bulk | Bulk | 1000 | MXE | N/A |
| Tape and Reel | EIA 296 | 1000 | MRET1 | T1 = 52mm (2.062") |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

[0876.125MRET1P](#) [0876.125MXEP](#) [0876.160MRET1P](#) [0876.160MXEP](#) [0876.250MRET1P](#) [0876.250MXEP](#)
[0876.630MRET1P](#) [0876.630MXEP](#) [0876002.MRET1P](#) [0876002.MXEP](#) [0876004.MRET1P](#) [0876004.MXEP](#)
[0876005.MRET1P](#) [0876005.MXEP](#) [087601.6MRET1P](#) [087601.6MXEP](#)