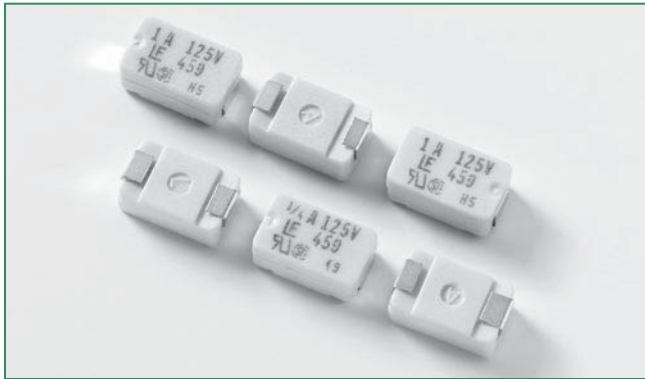


RoHS HF 460 Series PICO® Slo-Blo® Surface Mount Fuse

Description

The 460 Series Slo-Blo® SMF is based on Littelfuse PICO® fuse through-hole technology, though offered in a surface mount package.

This series of devices meets the requirements of the RoHS directive.




Features

- Slow-Blow
- High inrush current withstand capability
- Wide current rating range: 0.375A to 5A
- Wide operating temperature range
- RoHS compliant

Applications

- Wireless basestation
- Network equipment
- Telecom equipment




Agency Approvals

| AGENCY | AGENCY FILE NUMBER | AMPERE RANGE |
|-----------------------------------------------------------------------------------|--------------------|--------------|
|  | E10480 | 0.375A - 5A |
|  | LR29862 | 0.375A - 5A |
|  | NBK181103-E10480 | 1A - 5A |

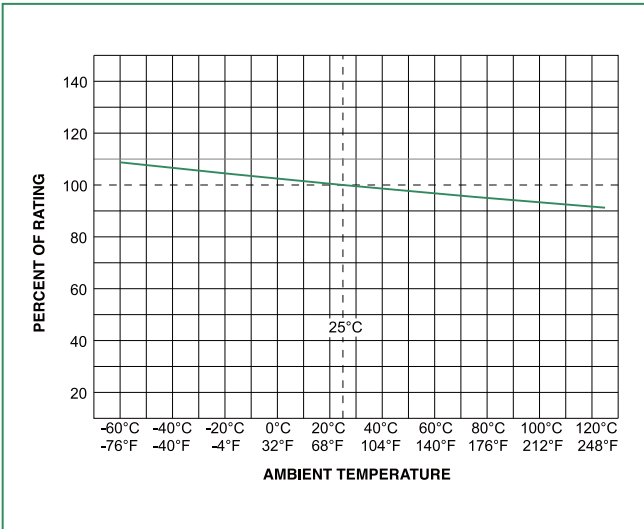
Electrical Characteristics for Series

| % of Ampere Rating | Opening Time |
|--------------------|-------------------------------------|
| 100% | 4 hours, Minimum |
| 200% | 1 second, Min.; 120 seconds, Max. |
| 300% | 0.2 second, Min.; 3 seconds, Max. |
| 800% | 0.02 second, Min.; 0.1 second, Max. |

Electrical Specifications by Item

| Ampere Rating (A) | Amp Code | Max Voltage Rating (V) | Interrupting Rating | Nominal Cold Resistance (Ohms) | Nominal Melting I ² t (A ² sec) | Agency Approvals | | |
|-------------------|----------|------------------------|--------------------------------|--------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| | | | | | |  |  |  |
| 0.375 | .375 | 125 | 50 A @125 VAC 50 A @125 VDC | 1.7400 | 0.085 | x | x | |
| 0.500 | .500 | 125 | | 1.1900 | 0.210 | x | x | |
| 0.750 | .750 | 125 | | 0.4970 | 0.760 | x | x | |
| 1.00 | 001. | 125 | | 0.2800 | 2.01 | x | x | x |
| 1.50 | 01.5 | 125 | | 0.1160 | 3.94 | x | x | x |
| 2.00 | 002. | 125 | | 0.0710 | 7.60 | x | x | x |
| 2.50 | 02.5 | 125 | | 0.0520 | 13.0 | x | x | x |
| 3.00 | 003. | 125 | | 0.0380 | 21.0 | x | x | x |
| 3.50 | 03.5 | 125 | | 0.0240 | 26.8 | x | x | x |
| 4.00 | 004. | 125 | | 0.0194 | 35.0 | x | x | x |
| 5.00 | 005. | 125 | | 0.0133 | 54.8 | x | x | x |

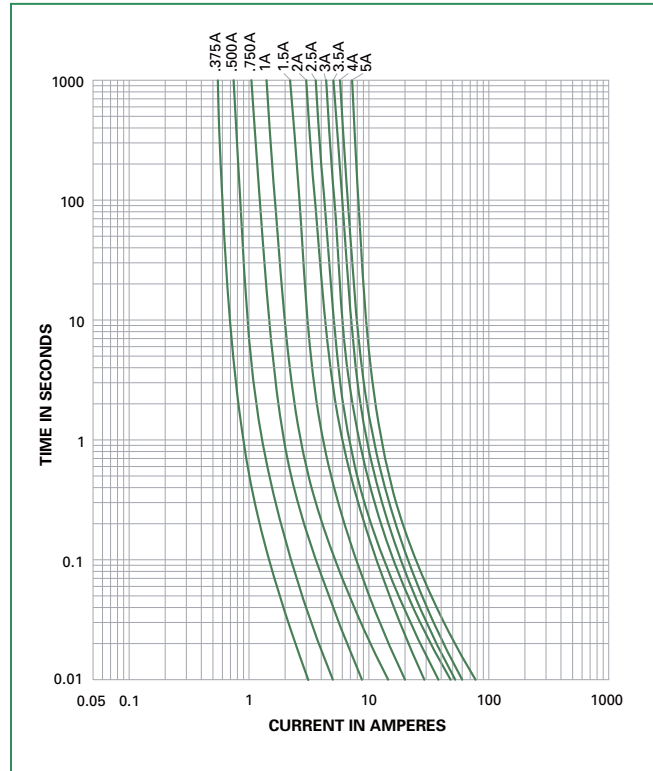
Temperature Rerating Curve



Note:

1. Rerating depicted in this curve is in addition to the standard rerating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters

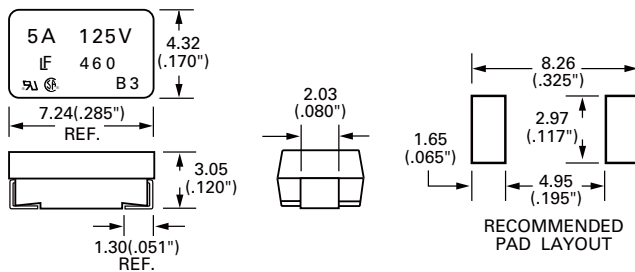
| | |
|------------------|------------------------|
| Wave Soldering | 260°C, 3 seconds max. |
| Reflow Soldering | 230°C, 30 seconds max. |

Product Characteristics

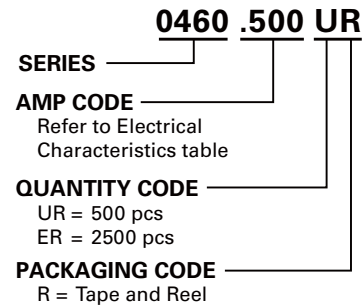
| | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------|
| Materials | Body: Molded Thermoplastic Terminations: 100% Tin-plated Copper (460 Series) |
| Solderability | MIL-STD-202, Method 208 |
| Product Marking | Body: Brand Logo, Current Rating, Voltage Rating, Series Code, Date Code, Agency Approved Logo |
| Moisture Sensitivity Level | Level 1 J-STD - 020C |

| | |
|----------------------------------------------|-----------------------------------------------------------------------|
| Operating Temperature | -55°C to 125°C |
| Shock | MIL-STD-202, Method 213, Test Condition I (100 G's peak for 6 msecs.) |
| Vibration | MIL-STD-202, Method 201 (10-55 Hz, 0.06 inch total excursion) |
| Salt Spray | MIL-STD-202, Method 101, Test Condition B (48 hours) |
| Insulation Resistance (After Opening) | MIL-STD-202, Method 302, (10,000 ohms minimum at 100 volts) |
| Thermal Shock | MIL-STD-202, Method 107, Test Condition B (-65°C to 125°C) |
| Moisture Resistance | MIL-STD-202, Method 106, High Humidity (90-98 RH), Heat (65°C) |

Dimensions



Part Numbering System



Example:
1 Amp product is 0460 .001 UR (.5 Amp product shown above).

Packaging

| Packaging Option | Packaging Specification | Quantity | Quantity & Packaging Code |
|--------------------|--------------------------------|----------|---------------------------|
| 12mm Tape and Reel | EIA RS-481-1 (IEC 286, part 3) | 500 | UR |
| 12mm Tape and Reel | EIA RS-481-1 (IEC 286, part 3) | 2500 | ER |

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Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype [ameyasales1](#) [ameyasales2](#)

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com