## **Surface Mount Fuses**

PICO<sup>®</sup> SMF Fuse > 460 Series



ROHS HF W (P

# 460 Series PICO® Slo-Blo® Surface Mount Fuse



Agency Approvals					
AGENCY AGENCY FILE NUMBER AMPERE RANGE					
<b>91</b>	E10480	0.375A - 5A			
(Sft)	29862	0.375A - 5A			
PS	NBK030205-E10480B	1A - 5A			

### **Electrical Characteristics for Series**

% of Ampere Rating	OpeningTime
100%	4 hours, Minimum
200%	1 second, Min.; 120 seconds, Max.
300%	0.2 second, Min.; 3 seconds, Max.
800%	0.002 second, Min.; 0.1 second, Max.

### **Electrical Specifications by Item**

### Description

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

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

### Features

- · High inrush current withstand capability
- Wide current rating range: 0.375A to 5A
- Wide operating temperature range
- Halogen free and RoHS compliant

### Applications

- Wireless basestation
- Network equipment
- Telecom equipment

### **Additional Information**





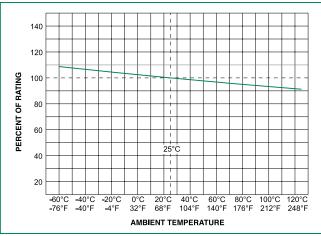


Samples

Ampere	Max Nominal Cold		Agency Appr		rovals			
Rating (A)	Amp Code	Voltage Rating (V)	Interrupting Rating (Ohms)	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec)	27	<b>()</b>	PS	
0.375	.375	125	50 A @125 VAC 50 A @125 VDC	1.7400	0.085	х	x	
0.500	.500	125		1.1900	0.210	х	x	
0.750	.750	125		0.4970	0.760	х	x	
1.00	001.	125		0.2800	2.01	х	x	х
1.50	01.5	125		0.1170	3.94	х	x	х
2.00	002.	125		0.0720	7.60	х	x	х
2.50	02.5	125		0.0520	13.0	х	x	x
3.00	003.	125		0.0380	18.15	х	x	х
3.50	03.5	125		0.0240	26.8	х	x	х
4.00	004.	125		0.0200	35.0	х	x	х
5.00	005.	125		0.0133	54.8	х	x	x



### **Temperature Re-rating Curve**



Note:

 Re-rating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

### **Soldering Parameters**

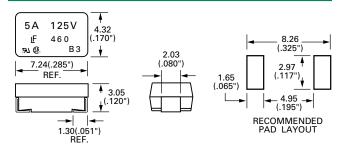
Wave Soldering	260°C, 3 seconds max.
Reflow Soldering	230°C, 30 seconds max.

### **Product Characteristics**

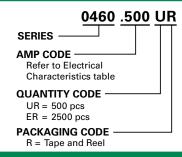
Materials	<b>Body:</b> Molded Thermoplastic <b>Terminations:</b> 100% Tin-plated Copper	
Solderability	MIL-STD-202, Method 208	
Product Marking	<b>Body:</b> Brand Logo, Current Rating, Voltage Rating, Series Code, Date Code, Agency Approved Logo	
Moisture Sensitivity	Level 1 J-STD - 020	
Operating Temp.	–55°C to 125°C (Consider re-rating)	
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 ShockMIL-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)		

# <figure>

### Dimensions



### Part Numbering System



**Example:** 1 Amp product is 0460 <u>.001</u> UR (.5 Amp product shown above).

### Packaging

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

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