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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Axial Lead & Cartridge Fuses

PICO® II > Slo-Blo® Fuse > 473 Series

## 473 Series, PICO® II Slo-Blo® Fuse



### Agency Approvals

Agency	Agency File Number	Ampere Range
	E10480	0.375A - 7A
	29862	0.375A - 7A
	PSE_NBK200416-JP1021	1A - 5A

### Additional Information



Datashheet



Resources



Samples

### Description

The PICO® II Slo-Blo® Fuse combines time-delay performance characteristics with the proven reliability of a PICO® Fuse.

### Features

- Enhanced inrush withstand
- Small size
- Wide range of current ratings (0.375A - 7A)
- Halogen free and RoHS compliant
- Wide operating temperature range
- Low temperature derating

### Applications

- Flat-panel Display TV
- LCD monitor
- Lighting system
- Medical equipment
- Industrial equipment

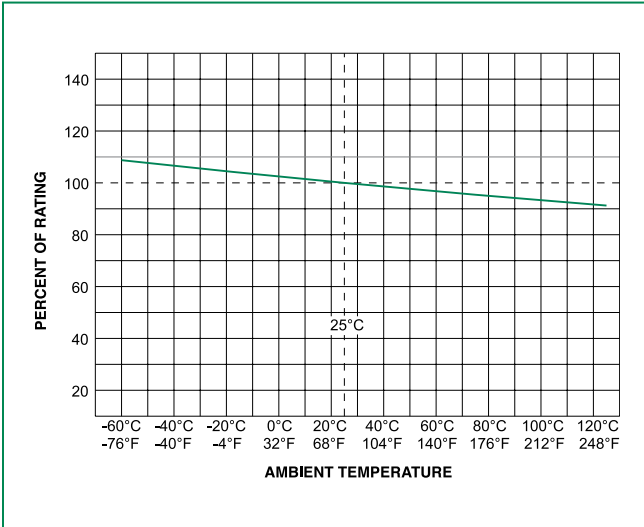
### Electrical Characteristics

% of Ampere Rating	Opening Time
100%	4 Hours, <b>Min.</b>
200%	1 Sec., <b>Min.</b> ; 60 Sec., <b>Max.</b>
300%	0.2 Sec., <b>Min.</b> ; 3 Sec., <b>Max.</b>
800%	0.02 Sec., <b>Min.</b> ; 0.1 Sec., <b>Max.</b>

### Electrical Characteristics

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec)	Nom Voltage Drop (mV)	Agency Approvals		
0.375	.375	125	50A@125VAC/DC	1.7550	0.085	0.840	X	X	
0.500	.500	125		1.1370	0.210	0.775	X	X	
0.750	.750	125		0.4900	0.760	0.429	X	X	
1.00	001.	125		0.3000	2.010	0.353	X	X	X
1.50	01.5	125		0.1170	3.940	0.208	X	X	X
2.00	002.	125		0.0720	7.600	0.180	X	X	X
2.25	2.25	125		0.0640	9.280	0.164	X	X	X
2.50	02.5	125		0.0520	13.00	0.153	X	X	X
3.00	003.	125		0.0380	21.00	0.140	X	X	X
3.50	03.5	125		0.0240	26.80	0.094	X	X	X
4.00	004.	125		0.0200	35.00	0.086	X	X	X
5.00	005.	125		0.0133	54.80	0.074	X	X	X
7.00	007.	125		0.0092	105.00	0.070	X	X	

**Temperature Re-rating Curve**



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

**Soldering Parameters**

**Recommended Process Parameters:**

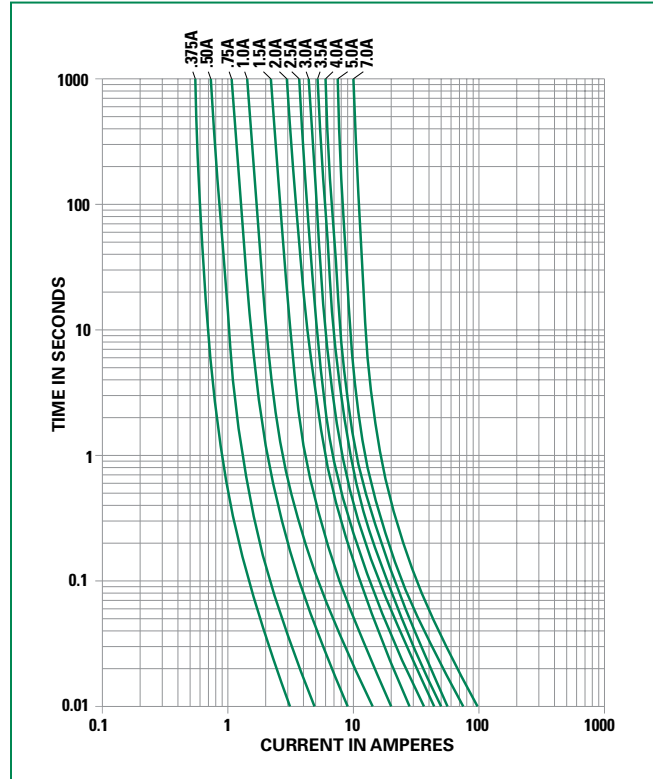
Wave Parameter	Lead-Free Recommendation
<b>Preheat:</b> (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
<b>Solder Pot Temperature:</b>	260°C Maximum
<b>Solder Dwell Time:</b>	2-5 seconds

**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.**

**Average Time Current Curves**

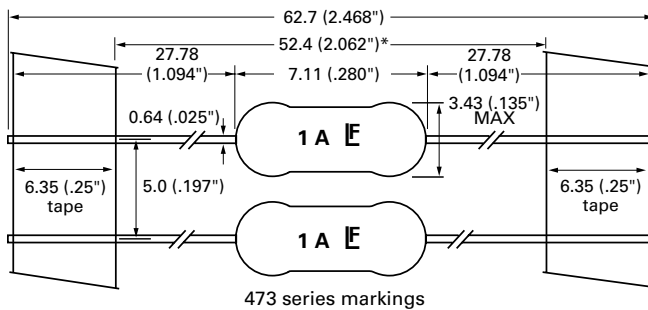


### Product Characteristics

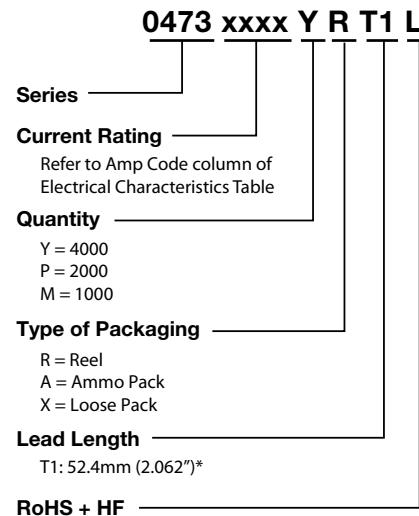
<b>Materials</b>	Encapsulated, Epoxy-Coated Body; Solder Coated Copper wire leads; RoHS compliant Product: Pure Tin-coated Copper wire leads
<b>Solderability</b>	MIL-STD-202, Method 208
<b>Lead Pull Force</b>	MIL-STD-202, Method 211, Test Condition A (will withstand 7 lbs. axial pull test)
<b>Operating Temperature</b>	-55°C to +125°C (Consider re-rating)
<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>Insulation Resistance (After Opening):</b>	MIL-STD-202, Method 302, (10,000 ohms minimum at 100 volts)
<b>Resistance to Soldering Heat</b>	MIL-STD-202, Method 210, Test Condition C (20 sec at 260°C)
<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 (90-98% RH), Heat (65°C)

### Dimensions



### Part Numbering System



### Packaging

Packaging Option	Packaging Specification	Quantity & Packaging Code
*T1: 52.4mm (2.062") Tape and Reel	EIA 296	Please refer to available quantities above in "Part Numbering System"

Notes: \* T1 dimension is defined as the length of the component between the two tapes. The full component length is 62.7mm (2.468").