

RoHS HF 473 Series, PICO® II, Slo-Blo® Fuse



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 (375mA - 7A)
- RoHS compliant
- Halogen-free available
- Wide operating temperature range
- Low temperature de-rating)

Applications

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

Electrical Characteristics

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

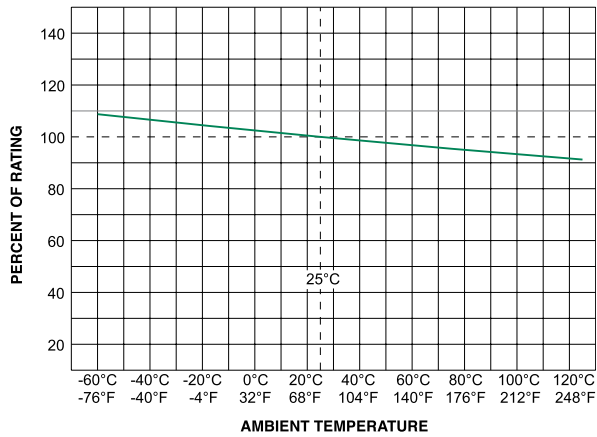
Agency Approvals

Agency	Agency File Number	Ampere Range
	E10480	375mA - 7A
	LR 29862	375mA - 7A
	JET 1896-31007-1001	1A - 5A

Electrical Characteristics

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)	Nom Voltage Drop (mV)	Agency Approvals		
0.375	.375	125	50 amperes at 125 VDC/ VAC	1.7400	0.085	0.840	X	X	
0.500	.500	125		1.1300	0.210	0.775	X	X	
0.750	.750	125		0.4600	0.760	0.429	X	X	
1.00	001.	125		0.2670	2.010	0.353	X	X	X
1.50	01.5	125		0.1160	3.940	0.208	X	X	X
2.00	002.	125		0.0712	7.600	0.180	X	X	X
2.25	2.25	125		0.0630	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		0.0194	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 Derating Curve



Note:

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

Soldering Parameters

Recommended Process Parameters:

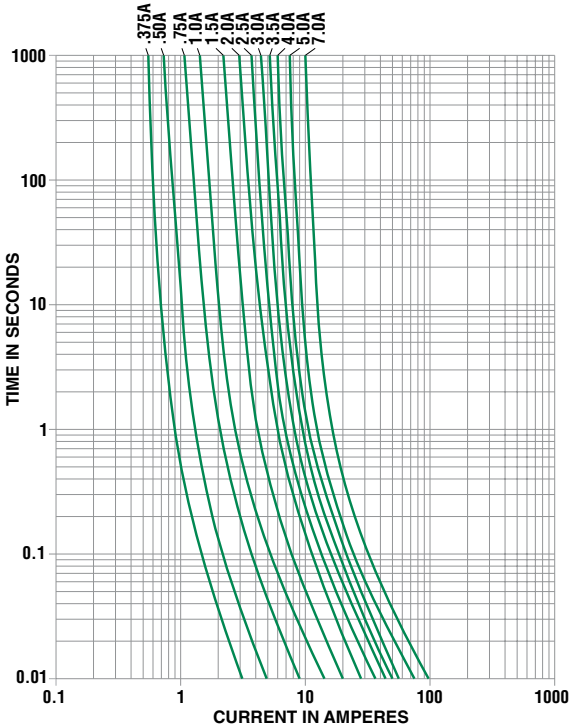
Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100° C
Temperature Maximum:	150° C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260° C Maximum
Solder Dwell Time:	2-5 seconds

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.

Average Time Current Curves

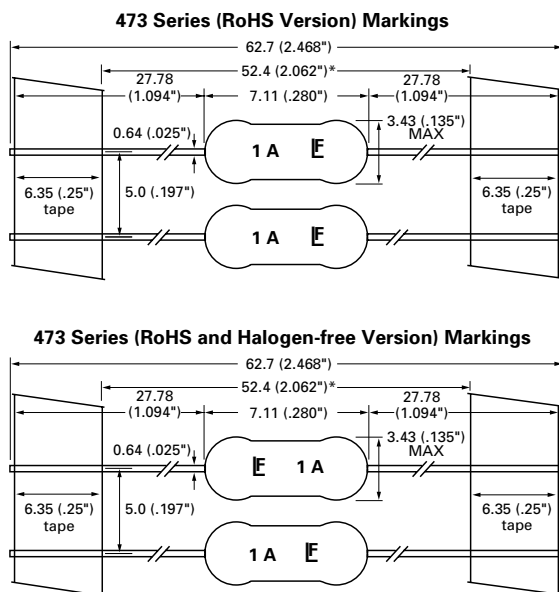


Product Characteristics

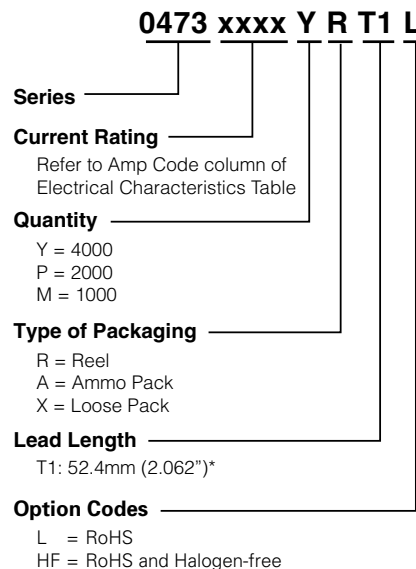
Materials	Encapsulated, Epoxy-Coated Body; Solder Coated Copper wire leads; RoHS compliant Product: Pure Tin-coated Copper wire leads
Solderability	MIL-STD-202, Method 208
Lead Pull Force	MIL-STD-202, Method 211, Test Condition A (will withstand 7 lbs. axial pull test)
Operating Temperature	-55°C to +125°C
Shock	MIL-STD-202, Method 213, Test Condition I (100 G's peak for 6 milliseconds)

Vibration	MIL-STD-202, Method 201 (10–55 Hz); MIL-STD-202, Method 204, Test Condition C (55–2000 Hz at 10 G's Peak)
Salt Spray	MIL-STD-202, Method 101, Test Condition B
Insulation Resistance (After Opening):	MIL-STD-202, Method 302, (10,000 ohms minimum at 100 volts)
Resistance to Soldering Heat	MIL-STD-202, Method 210, Test Condition C (20 sec at 260°C)
Thermal Shock	MIL-STD-202, Method 107, Test Condition B (-65°C to 125°C)
Moisture Resistance	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").



Mouser Electronics

Authorized Distributor

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

Littelfuse:

[0473.375MRT1L](#) [0473001.YRT3L](#) [0473.500MRT1L](#) [0473004.YRT1L](#) [0473005.MRT1L](#) [047302.5YRT1L](#)
[0473003.YRT3L](#) [0473.750MRT1L](#) [047301.5YRT1L](#) [0473002.YRT3L](#) [0473.375YRT1L](#) [0473003.MRT1L](#)
[0473007.YRT1L](#) [0473.375YRT3L](#) [047301.5YRT3L](#) [04732.25MRT1L](#) [04732.25YRT3L](#) [0473.375YAT1L](#)
[0473.500YAT1L](#) [0473.750YAT1L](#) [0473001.YAT1L](#) [047301.5YAT1L](#) [0473002.YAT1L](#) [047302.5YAT1L](#)
[04732.25YAT1L](#) [0473003.YAT1L](#) [047303.5YAT1L](#) [0473004.YAT1L](#) [0473005.YAT1L](#) [0473007.YAT1L](#)
[047301.5HAT1L](#) [0473.375MAT1L](#) [0473.375MRT1HF](#) [0473.500MAT1L](#) [0473.500MRT1HF](#) [0473.750MAT1L](#)
[0473.750MRT1HF](#) [0473.750PF006L](#) [0473001.HAT1L](#) [0473001.MAT1L](#) [0473001.MRT1HF](#) [0473001.MXL](#)
[0473001.PARL](#) [0473001.YAT6L](#) [0473002.HAT1L](#) [0473002.MAT1L](#) [0473002.MRT1HF](#) [0473002.PARL](#)
[0473002.YAT6L](#) [0473003.HAT1L](#) [0473003.MAT1L](#) [0473003.MXL](#) [0473003.PARL](#) [0473003.YAT6L](#) [0473004.HAT1L](#)
[0473004.MAT1L](#) [0473004.MRT1HF](#) [0473004.PARL](#) [0473005.MAT1L](#) [0473005.MRT1HF](#) [0473005.MXL](#)
[0473005.PARL](#) [0473005.PF002L](#) [0473005.PF003L](#) [0473005.YAT6L](#) [0473007.MAT1JL](#) [0473007.MAT1L](#)
[0473007.MRT1HF](#) [0473007.MRT1JL](#) [0473007.PARJL](#) [0473007.YRT1JL](#) [047301.5MRT1HF](#) [047301.5MXL](#)
[047301.5PARL](#) [047302.5MAT1L](#) [047302.5MRT1HF](#) [047302.5PARL](#) [047303.5MAT1L](#) [047303.5MRT1HF](#)
[047303.5PARL](#) [04732.25MRT1HF](#) [0473002.MRT1L](#) [0473.750YRT1L](#) [0473.750YRT3L](#) [0473004.MRT1L](#)
[0473007.MRT1L](#) [0473.500YRT1L](#) [0473007.YRT3L](#) [0473005.YRT3L](#) [0473002.YRT1L](#) [047303.5YRT3L](#)
[047303.5YRT1L](#) [0473.500YRT3L](#) [047301.5MRT1L](#) [0473003.YRT1L](#) [0473001.MRT1L](#) [0473004.YRT3L](#)
[047302.5MRT1L](#) [047303.5MRT1L](#) [04732.25YRT1L](#)