



Agency Approvals

Agency	Agency File Number	Ampere Range
	E10480	500mA - 5A

Description

The 472 Series PICO® II, 125V rated time-lag fuse is designed for applications that require moderate in-rush withstand and is in a space-saving subminiature package.

Features

- Moderate in-rush withstand
- Small size
- Wide range of current ratings available (500mA to 5A)
- RoHS compliant
- Wide operating temperature range
- Low temperature de-rating

Applications

- Flat-panel display TV
- Lighting
- Game Console
- Power Supply
- Audio/Video Equipment

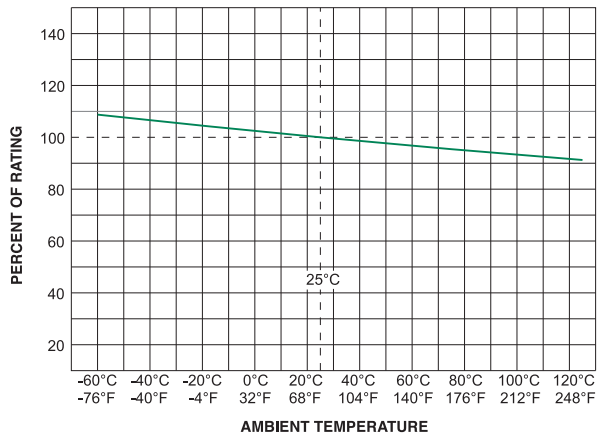
Electrical Characteristics

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
200%	120 seconds, Maximum

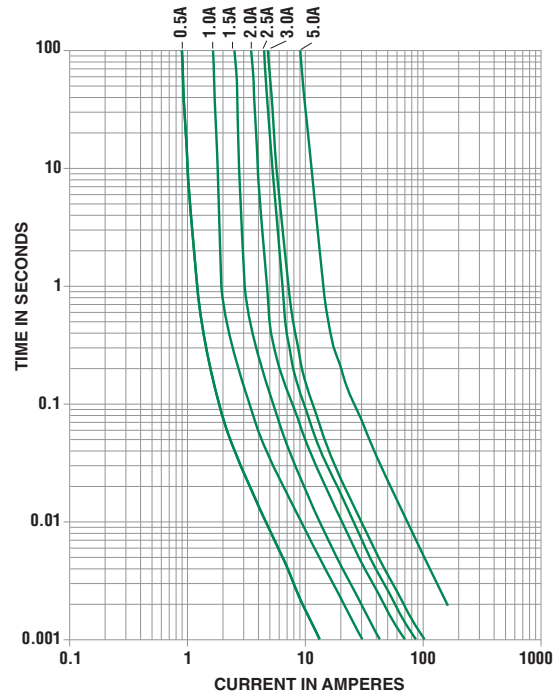
Electrical Characteristics

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)	Agency Approvals
.500	.500	125	50 amperes at 125 VAC and VDC	0.174	0.1927	 x
1.00	001.	125		0.078	0.9384	x
1.50	01.5	125		0.039	2.4081	x
2.00	002.	125		0.027	4.2363	x
2.50	02.5	125		0.0209	7.0838	x
3.00	003.	125		0.0187	9.3600	x
5.00	005.	125		0.0084	45.9000	x

Temperature Derating Curve



Average Time Current Curves



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:	280° C Maximum
Solder Dwell Time:	2-5 seconds

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350° C +/- 5° C
 Heating Time: 5 seconds max.

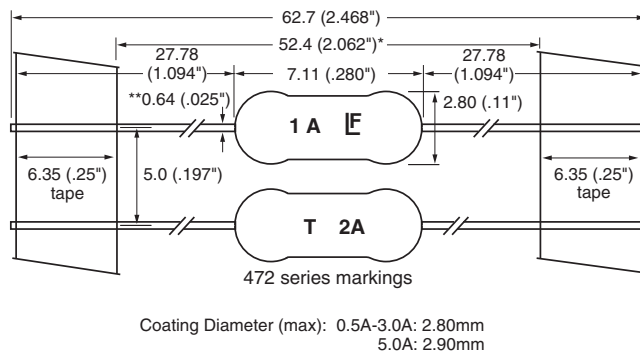
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

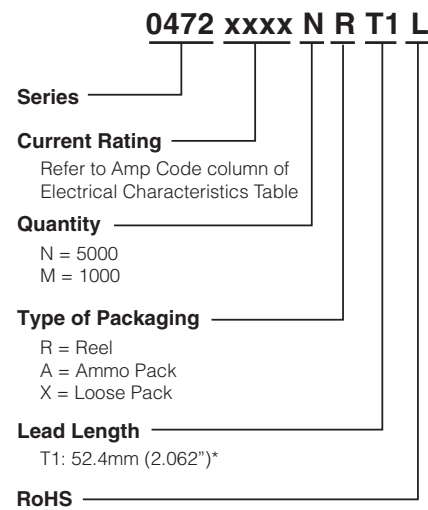
Material	Body: Ceramic Leads: Tin-coated Copper Encapsulated: Epoxy-Coated Body
Product Marking	Body: Brand Logo, Current Rating, T (time lag fuse)
Solderability	MIL-STD-202, Method 208
Lead Pull Force	MIL-STD-202, Method 211, Test Condition A (will Withstand a 7lb. Axial pull test)

Operating Temperature	–55°C to +125°C with proper derating
Thermal 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); Method 204, Test Condition C (55-2000 Hz at 10 G's Peak)

Dimensions



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code
*T1: 52.4mm (2.062") Tape and Reel	EIA 296		Refer to the tables in Part Numbering System above

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

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Littelfuse:

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