472 Series, PICO® II Time-Lag Fuse



Agency Approvals

Agency	Agency File Number	Ampere Range
71	E10480	0. 50A - 5A

Description

The 472 Series PICO® II, 125V rated Slo-Blo® Fuse is designed for applications that require moderate in-rush withstand and is in a space-saving subminature package.

Features

- Moderate in-rush withstand
- Small size
- Wide range of current ratings available (0. 50A to 5A)

Applications

- Flat-panel display TV
- Lighting
- Game Console
- Power Supply

• RoHS compliant and

Halogen-free

 Wide operating temperature range

• Low temperature

rerating

• Audio/Video Equipment

RoHS Cont

Additional Information









Samples

Electrical Characteristics

% of Ampere Rating	OpeningTime
100%	4 Hours, Min.
200%	120 Seconds, Max.

Electrical Characteristics

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec)	Agency Approvals
.500	.500	125		0.1745	0.1927	х
1.00	001.	125		0.0785	0.9384	х
1.50	01.5	125	-	0.0392	2.4081	х
2.00	002.	125	50A@125VAC/DC	0.0271	4.2363	х
2.50	02.5	125		0.0209	7.0838	х
3.00	003.	125		0.0187	9.3600	х
5.00	005.	125		0.0084	45.9000	Х

Axial Lead & Cartridge Fuses

PICO[®] II > Slo-Blo[®] Fuse > 472 Series



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
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





Axial Lead & Cartridge Fuses PICO[®] II > Slo-Blo[®] Fuse > 472 Series

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 7lbs. Axial pull test)

Operating Temperature	-55°C to +125°C with proper de-rating
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)

Part Numbering System



Dimensions



Coating Diameter (max): 0.5A-3.0A: 2.80mm 5.0A: 2.90mm

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

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

Littelfuse:

 0472.500MAT1L
 0472.500MRT1L
 0472.500MXL
 0472.500NAT1L
 0472001.MAT1L

 0472001.MRT1L
 0472001.NAT1L
 0472001.NRT1L
 047202.5MAT1L
 047202.5MRT1L
 047202.5MXL

 047202.5NAT1L
 047202.5NRT1L
 047201.5MRT1HF
 0472005.MXHF
 047202.5MXL