

# Axial Lead and Cartridge Fuses

## Subminiature

### RoHS PICO® II IC Protector 491 Series



- The PICO® II IC Protector is designed for short circuit protection in electronic circuits.
- **RoHS Compliant** version now available, use ordering suffix 'L' (see example on data sheet).

#### ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time
100%	1 hour, <b>Minimum</b>
300%	0.3 seconds, <b>Maximum</b>

#### INTERRUPTING RATINGS:

50 amperes at 125 VAC and VDC.

#### ENVIRONMENTAL SPECIFICATIONS:

**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); Method 204, Test Condition C (55–2000 Hz at 10 G's Peak).

**Moisture Resistance:** MIL-STD-202, Method 106.

#### PHYSICAL SPECIFICATIONS:

**Materials:** Encapsulated, Epoxy-Coated Body; Solder Coated Copper Wire Leads.

**Flammability Rating:** UL 94V0

#### Soldering Parameters:

Wave Solder — 260°C, 10 seconds maximum.

**Solderability:** MIL-STD-202, Method 208.

**Lead Pull Force:** MIL-STD-202, Method 211, Test Condition A (will withstand a 7 lb. axial pull test).

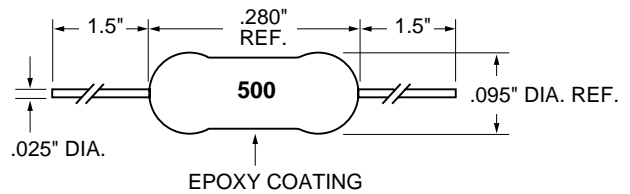
**PACKAGING SPECIFICATIONS:** Tape and Reel per EIA-296; T1: 2.062" (52.4mm) taped spacing; 5,000 per reel.

**Options:** For **RoHS Compliant** devices add the letter 'L' to end of packaging suffix. Example: 0491001.NRT1L (RoHS Compliant 1A, 5,000 per reel).

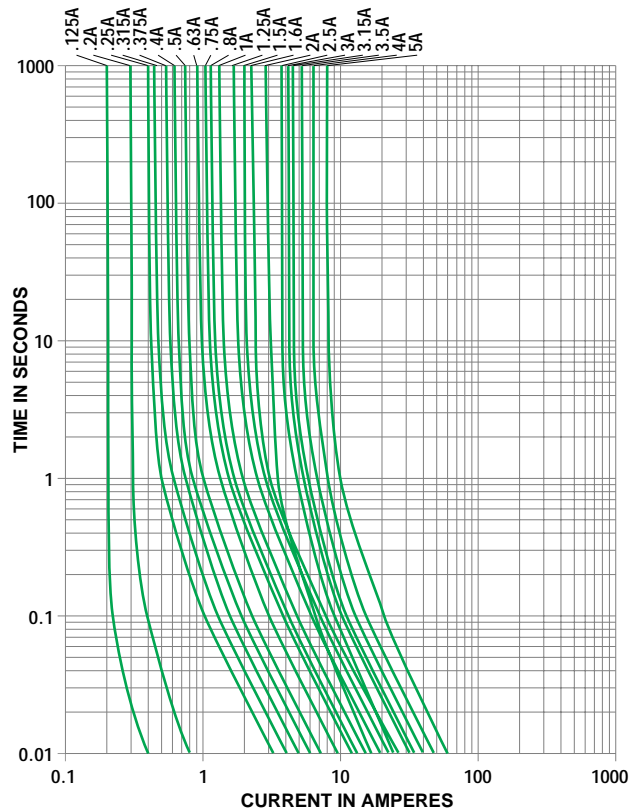
#### PATENTED

#### ORDERING INFORMATION:

Catalog Number	Ampere Rating	Voltage Rating	Nominal Resistance Cold Ohms
0491.125	.125	125	1.7000
0491.200	.200	125	0.8950
0491.250	.250	125	0.6650
0491.315	.315	125	0.5000
0491.400	.400	125	0.3230
0491.500	.500	125	0.3020
0491.630	.630	125	0.2050
0491.750	.750	125	0.1750
0491.800	.800	125	0.1480
0491 001	1	125	0.1280
0491 1.25	1.25	125	0.1000
0491 01.5	1.5	125	0.0823
0491 01.6	1.6	125	0.0700
0491 002	2	125	0.0473
0491 02.5	2.5	125	0.0360
0491 003	3	125	0.0295
0491 3.15	3.15	125	0.0275
0491 03.5	3.5	125	0.0240
0491 004	4	125	0.0204
0491 005	5	125	0.0158
0491 007	7	125	0.0107
0491 010	10	125	0.0072



Average Time Current Curves



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