

## SUBMINIATURE

### PICO® II Very Fast-Acting Type



The PICO® II very fast-acting fuse is designed to meet an extensive array of performance characteristics in a space-saving subminiature package.

#### ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Ampere Rating	Opening Time
100%	1/16–15	4 hours, <b>Minimum</b>
200%	1/16–7	1 second <b>Maximum</b>
	10	3 seconds <b>Maximum</b>
	12–15	10 seconds <b>Maximum</b>

**AGENCY APPROVALS:** <sup>1</sup> Recognized under the Components Program of Underwriters Laboratories and Certified by CSA. Approved by MITI from 1 through 5 amperes.

**AGENCY FILE NUMBERS:** UL E10480, CSA LR 29862.

**REFERENCE TO MIL SPEC:** <sup>2</sup> Available in Military QPL type FM10, conforming to Mil-F-23419.

#### INTERRUPTING RATINGS:

300 amperes at 125 VDC.

50 amperes at 125 VAC.

#### 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:** UL94V0.

#### 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 Reed per EIA-296; T1: 2.062" (52.4mm) taped spacing; 5,000 per reel.

**Option:** Radial Lead Version; 0.4" lead spacing; to order change 251 to 252.

#### PATENTED

#### ORDERING INFORMATION:

Std. Type Catalog Number	Mil. Type Catalog Number	Ampere Rating	Voltage Rating	Nominal Resistance Cold Ohms	Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec.
R251.062	R253.062	1/16	125	7.0	0.0000750
R251.125	R253.125	1/8	125	1.70	0.00163
R251.250	R253.250	1/4	125	0.665	0.0106
R251.375	R253.375	3/8	125	0.395	0.0254
R251.500	R253.500	1/2	125	0.280	0.0546
R251.750	R253.750	3/4	125	0.175	0.155
R251.001	R253.001	1	125	0.125	0.281
R251.01.5	R253.01.5	1½	125	0.0800	0.650
R251.002	R253.002	2	125	0.0468	0.421
R251.02.5	R253.02.5	2½	125	0.0350	0.721
R251.003	R253.003	3	125	0.0290	1.23
R251.03.5	R253.03.5	3½	125	0.0240	1.65
R251.004	R253.004	4	125	0.0204	2.35
R251.005	R253.005	5	125	0.0155	3.90
R251.007	R253.007	7	125	0.0105	10.5
R251.010	R253.010	10	125	0.00705	24.2
R251.012	R253.012	12	32	0.00481	45.5
R251.015	R253.015	15	32	0.00395	70.1

