SUBMINIATURE SURFACE MOUNT

PICO® SMF Very Fast-Acting Type Fuse 459 Series

The PICO® SMF Very Fast-Acting Fuse provides high performance in a rectangular package suitable for reflow and wave soldering methods.

ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time
100%	4 hours, **Min**imum
200%	1 second, **Max**imum
300%	0.1 second, **Max**imum

AGENCY APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

AGENCY FILE NUMBERS: UL E10480, CSA LR 29862.

INTERRUPTING RATINGS:
50 amperes at 125 VAC.
300 amperes at 125 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, .06 in. total excursion).
Salt Spray: MIL-STD-202, Method 101, Test Condition B (48 hrs.).
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 F (10 sec. at 260°C).
Thermal Shock: MIL-STD-202, Method 107, Test Condition B (–65 to 125°C).
Moisture Resistance: MIL-STD-202, Method 106, High Humidity (90-98 RH), Heat (65°).

PHYSICAL SPECIFICATIONS:
Materials: Body: Molded Thermoplastic
Terminations: Tin-Lead Plated Copper
Soldering Parameters:
Wave Solder — 260°C, 10 seconds maximum
Reflow Solder — 260°C, 30 seconds maximum
Solderability: MIL-STD-202, Method 208.

PACKAGING SPECIFICATIONS: 12mm Tape and Reel per EIA-RS481 (IEC 286, part 3); 500 per reel, add packaging suffix, UR.

PATENTED

ORDERING INFORMATION:

Catalog Number	Ampere Rating	Voltage Rating	Nominal Resistance Cold Ohms	Nominal Melting I^2t A^2 Sec.
R459.062	1/16	125	7.0	0.000075
R459.125	1/8	125	1.70	0.00163
R459.250	1/4	125	0.665	0.0106
R459.375	3/8	125	0.395	0.0254
R459.500	1/2	125	0.280	0.0546
R459.750	3/4	125	0.175	0.155
R459 001	1	125	0.125	0.281
R459 01.5	1½	125	0.0800	0.650
R459 002	2	125	0.0468	0.421
R459 02.5	2½	125	0.0350	0.721
R459 003	3	125	0.0290	1.23
R459 03.5	3½	125	0.0240	1.65
R459 004	4	125	0.0200	2.35
R459 005	5	125	0.0155	3.90