

SUBMINIATURE SURFACE MOUNT

NANO²® SMF Slo-Blo® Type Fuse



The very small NANO² Fuse is now available with time delay performance characteristics. This Slo-Blo NANO² Fuse is the smallest surface mount time delay fuse available. The unique time delay feature of this fuse design helps solve the problem of nuisance "opening" by accommodating inrush currents that normally cause a fast-acting fuse to open.

ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
200%	1 second, Min. ; 60 seconds, Max.
300%	0.2 seconds, Min. ; 3 seconds, Max.
800%	0.02 seconds, Min. ; 0.1 seconds, Max.

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

50 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, Test Condition A, (10,000 ohms minimum).

Resistance to Soldering Heat: MIL-STD-202, Method 210, (3 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°C).

PHYSICAL SPECIFICATIONS:

Materials: Body: Ceramic

Terminations: Tin-Lead Alloy Plated Brass Caps.

Soldering Parameters:

Wave Solder — 260°C, 3 seconds maximum

Reflow Solder — 230°C, 30 seconds maximum

Solderability: MIL-STD-202, Method 208.

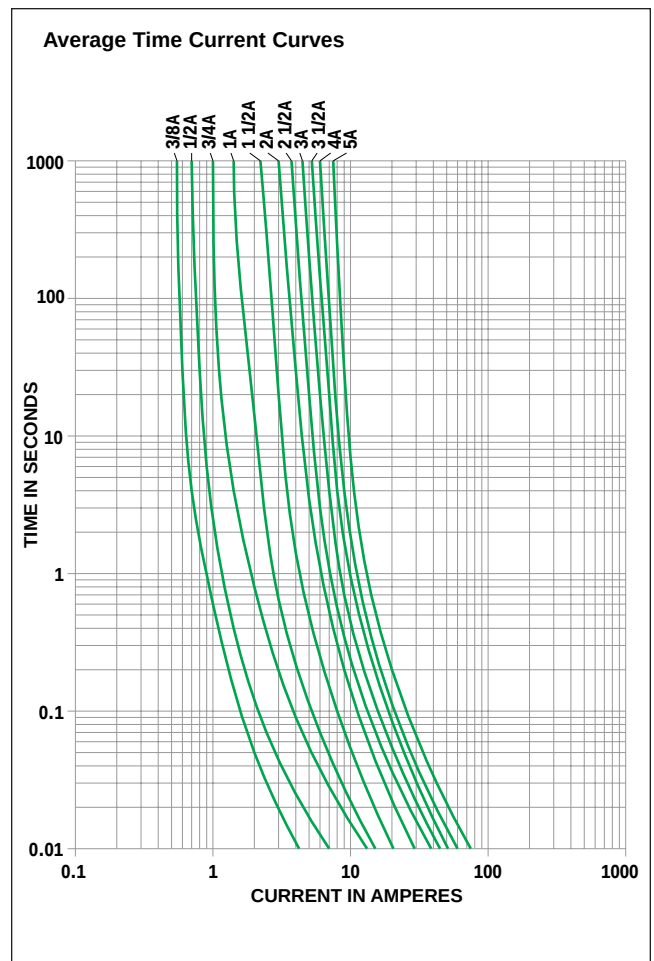
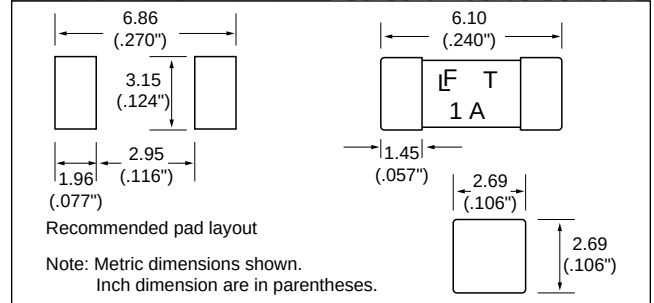
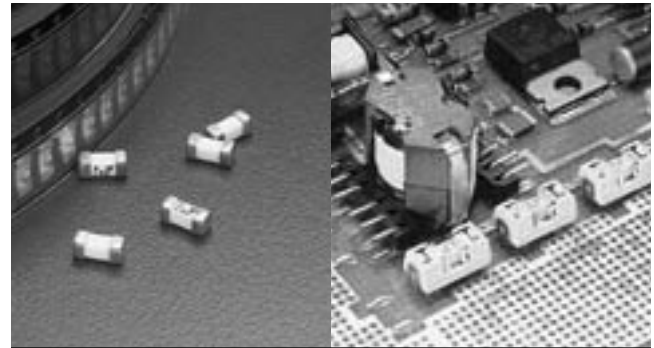
PACKAGING SPECIFICATIONS: 12mm Tape and Reel per EIA-RS481 (IEC 286, part 3); 1,000 per reel.

Marking: The 452 000 series Slo-Blo fuse marking includes the letter "T" to designate time delay characteristics.

PATENTED

ORDERING INFORMATION:

Catalog Number	Ampere Rating	Voltage Rating	Nominal Resistance Cold Ohms	Nominal Melting I ² t A ² Sec.
R452.375	3/8	125	1.60	0.101
R452.500	1/2	125	0.940	0.240
R452.750	3/4	125	0.460	0.904
R452 001	1	125	0.210	1.98
R452 01.5	1½	125	0.116	3.65
R452 002	2	125	0.0760	8.20
R452 02.5	2½	125	0.0540	15.0
R452 003	3	125	0.0414	20.16
R452 03.5	3½	125	0.0253	26.53
R452 004	4	125	0.0208	34.40
R452 005	5	125	0.0146	53.72



Refer to pg.82 for SMF Omni-Blok Holder, Series 154 000T.