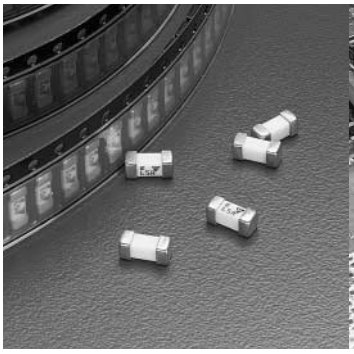
NANO²® Slo-Blo® Fuse 452/454 Series

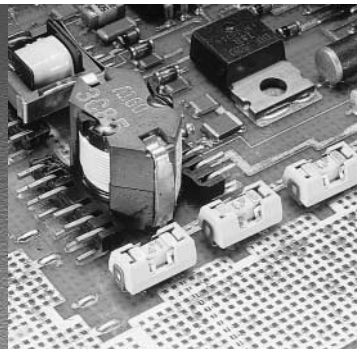
The NANO² Slo-Blo fuse has enhanced inrush withstand characteristics over the NANO² Fast-Acting fuse. The unique time delay feature of this fuse design helps solve the problem of nuisance "opening" by accommodating inrush currents that normally cause a fast-acting fuse to open.

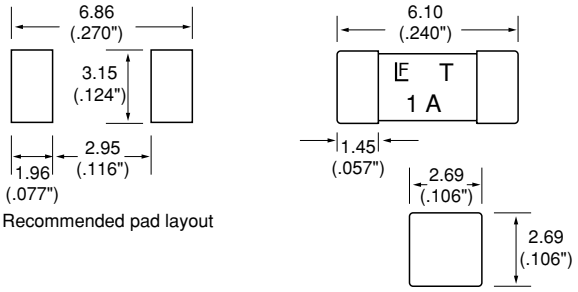
ELECTRICAL CHARACTERISTICS:

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

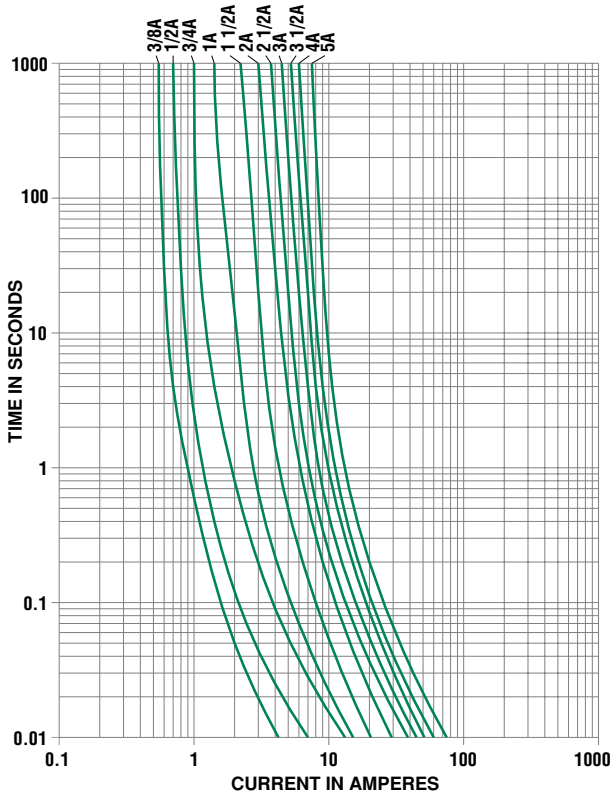
AGENCY APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.
AGENCY FILE NUMBERS: UL E10480, CSA LR 29862.
INTERRUPTING RATINGS:
50 amperes at 125 VAC/VDC
ENVIRONMENTAL SPECIFICATIONS:
Operating Temperature: –55°C to 125°C.
Shock: MIL-STD-202, Method 213, 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 or Silver 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-RS481-1 (IEC 286, part 3); 1,000 per reel; 5,000 piece reel also available.
Marking: The 452/454 series Slo-Blo fuse marking includes the letter "T" to designate time delay characteristics.
PATENTED







Average Time Current Curves



ORDERING INFORMATION:

Tin-Lead Plated Catalog #	Silver Plated Catalog #	Ampere Rating	Voltage Rating	Nominal Resistance Cold Ohms	Nominal Melting I²t A² Sec.
R452.375	**0454**.375	3/8	125	1.20	0.101
R452.500	**0454**.500	1/2	125	0.700	0.240
R452.750	**0454**.750	3/4	125	0.360	0.904
R452 001.	**0454** 001.	1	125	0.225	1.98
R452 01.5	**0454** 01.5	1½	125	0.0930	3.65
R452 002.	**0454** 002.	2	125	0.0625	8.20
R452 02.5	**0454** 02.5	2½	125	0.0450	15.0
R452 003.	**0454** 003.	3	125	0.0340	20.16
R452 03.5	**0454** 03.5	3½	125	0.0224	26.53
R452 004.	**0454** 004.	4	125	0.0186	34.40
R452 005.	**0454** 005.	5	125	0.0136	53.72

Refer to pg. 271 for SMF Omni-Blok® Holder, Series **154** 000T.