

## FOR NANO<sup>2®</sup> SURFACE MOUNT FUSES

### SMF OMNI-BLOK<sup>®</sup> Fuse Block Molded Base Type



The SMF Omni-Blok<sup>®</sup> Fuseholder permits quick and easy replacement of Nano<sup>2®</sup> SMF surface mount fuses. The fuse block and pre-installed fuse combination can be placed on the PC board in one efficient manufacturing operation. Fuse replacement is accomplished without exposing the PC board to the detrimental effects of solder heat. Refer to notes 1 and 2, below, for fuse/fuseholder combinations available.

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

#### SPECIFICATIONS:

**Electrical:** 7 Amperes, 125 Volts.

**Molded Parts:** Thermoplastic (94V0).

**Terminals:** Tin/Lead Alloy Plated Beryllium Copper.

**Ambient 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).

**Thermal Shock:** MIL-STD-202, Method 107, Condition A (200 cycles: 30 minutes at -55°C, 30 minutes at 125°C).

#### Soldering Parameters (Fuse Installed):

Reflow — 154 000: 500°F (260°C), 30 sec.

154 000T: 445°F (230°C), 30 sec.

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

**Packaging:** 16mm Tape and Reel for use with automatic pick and place equipment per EIA Standard 481; 1500 per reel.

#### PATENTED

#### ORDERING INFORMATION:

##### With Very Fast-Acting Fuse Installed

| Catalog Number | Ampere Rating | Fuse Furnished <sup>1</sup> |
|----------------|---------------|-----------------------------|
| 154.062        | 1/16          | 0453.062                    |
| 154.125        | 1/8           | 0453.125                    |
| 154.250        | 1/4           | 0453.250                    |
| 154.375        | 3/8           | 0453.375                    |
| 154.500        | 1/2           | 0453.500                    |
| 154.750        | 3/4           | 0453.750                    |
| 154.001        | 1             | 0453.001.                   |
| 154.01.5       | 1.5           | 0453.01.5                   |
| 154.002        | 2             | 0453.002.                   |
| 154.02.5       | 2.5           | 0453.02.5                   |
| 154.003        | 3             | 0453.003.                   |
| 154.03.5       | 3.5           | 0453.03.5                   |
| 154.004        | 4             | 0453.004.                   |
| 154.005        | 5             | 0453.005.                   |
| 154.007        | 7             | 0453.007.                   |

##### With Slo-Blo<sup>®</sup> Fuse Installed

| Catalog Number | Ampere Rating | Fuse Furnished <sup>2</sup> |
|----------------|---------------|-----------------------------|
| 154.375T       | 3/8           | 0454.375                    |
| 154.500T       | 1/2           | 0454.500                    |
| 154.750T       | 3/4           | 0454.750                    |
| 154.001T       | 1             | 0454.001.                   |
| 154.01.5T      | 1½            | 0454.01.5                   |
| 154.002T       | 2             | 0454.002.                   |
| 154.02.5T      | 2½            | 0454.02.5                   |
| 154.003T       | 3             | 0454.003.                   |
| 154.03.5T      | 3½            | 0454.03.5                   |
| 154.004T       | 4             | 0454.004.                   |
| 154.005T       | 5             | 0454.005.                   |

<sup>1</sup> 453 Series Fuse has silver plated end caps, installed to accommodate solder reflow process. Use either 451 or 453 Series for replacement purposes, page 34.

<sup>2</sup> 454 Series Fuse has silver plated end caps, installed to accommodate solder reflow process. Use either 452 or 454 Series for replacement purposes, page 35.

