



### Type SEF(U)

Fast Acting Square Ceramic Surface Mount Fuse



#### Approvals

|               |         |
|---------------|---------|
| UL Recognized | 63mA~5A |
| CSA Listed    | 63mA~5A |
| VDE           | 63mA~5A |
| MITI          | 1A~5A   |

#### Electrical Characteristics

| Rated Current | 1 In  |         | 10 IN |      |
|---------------|-------|---------|-------|------|
|               | MIN   | MAX     | MIN   | MAX  |
| 65mA~5A       | 1 Hrs | 120 Sec | 1mS   | 10mS |

#### Interrupting Ratings

50 amperes or 10 x rated current; whichever is greater at 125V AC/DC

#### Environmental Specification

##### Operating Temperature

-55°C to +125°C

##### Shock

MIL-STD-202, Method 213, Test Condition 1 (100G's peak for 6 milliseconds)

##### Vibration

MIL-STD-202, Method 201 (10-55 Hz, 0.06 inch, total excursion)

##### Salt Spray

MIL-STD-202, Method 101, Test Condition B (48Hrs)

##### Insulation Resistance

MIL-STD-202, Method 302, Test Condition A (After Opening) 10,000 ohms minimum

##### Resistance to Solder Heat

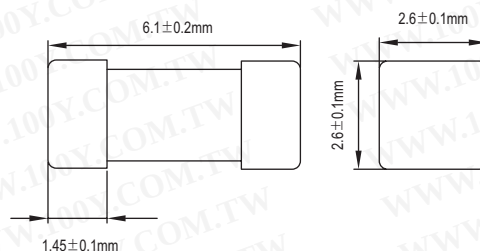
MIL-STD-202, Method 210, Test Condition F (20sec, at 260°C)

##### Thermal Shock:

MIL-STD-202, Method 107, Test Condition B (-65°C to +125°C)

| Cartridge Catalog Number | Ampere Rating [In] | Voltage Rating (V) | Nominal Resistance Cold Ohms | Voltage Drop (mv)MAX | Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec |
|--------------------------|--------------------|--------------------|------------------------------|----------------------|-----------------------------------------------------|
| SEF(U) .063              | 63 mA              | 125V               | 6.6800                       | *                    | 0.0012                                              |
| SEF(U) .080              | 80 mA              |                    | 4.3000                       | *                    | 0.0021                                              |
| SEF(U) .100              | 100 mA             |                    | 2.6300                       | 1200                 | 0.0032                                              |
| SEF(U) .125              | 125 mA             |                    | 1.9400                       | 950                  | 0.0048                                              |
| SEF(U) .160              | 160 mA             |                    | 1.0520                       | 900                  | 0.0079                                              |
| SEF(U) .200              | 200 mA             |                    | 0.4410                       | 850                  | 0.0131                                              |
| SEF(U) .250              | 250 mA             |                    | 0.4010                       | 750                  | 0.0192                                              |
| SEF(U) .315              | 315 mA             |                    | 0.3030                       | 700                  | 0.0301                                              |
| SEF(U) .400              | 400 mA             |                    | 0.2350                       | 650                  | 0.0472                                              |
| SEF(U) .500              | 500 mA             |                    | 0.1740                       | 550                  | 0.0768                                              |
| SEF(U) .630              | 630 mA             |                    | 0.1420                       | 450                  | 0.1204                                              |
| SEF(U) .800              | 800 mA             |                    | 0.1050                       | 350                  | 0.1886                                              |
| SEF(U) 001               | 1 A                |                    | 0.0840                       | 250                  | 0.3000                                              |
| SEF(U) 1.25              | 1.25 A             |                    | 0.0710                       | 235                  | 0.4050                                              |
| SEF(U) 1.60              | 1.6 A              |                    | 0.0540                       | 220                  | 0.9015                                              |
| SEF(U) 002               | 2 A                |                    | 0.0380                       | 200                  | 1.4520                                              |
| SEF(U) 2.50              | 2.5 A              |                    | 0.0280                       | 180                  | 2.1050                                              |
| SEF(U) 3.15              | 3.15 A             |                    | 0.0195                       | 150                  | 3.9000                                              |
| SEF(U) 004               | 4 A                |                    | 0.0170                       | 150                  | 5.4200                                              |
| SEF(U) 005               | 5 A                |                    | 0.0130                       | 130                  | 10.900                                              |

#### Mechanical Dimensions



#### Physical Specification

##### Materials

Body: Ceramic

Terminations: Silver Plated Brass Caps

##### Packaging

1,000 Fuses in 7 inches dia. reel, or 5,000 fuses in 13 inches dia. White color reel, 12mm wide tape, per EIA Standard 481.

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