

## Type SST

### Square Ceramic Surface Mount Slow Blow Fuse

2410 Size  
RoHS 6 Compliant

SSTD0808



#### Electrical Characteristics (ULICSA STD. 248-14)

| Testing current | Blow Time |         |
|-----------------|-----------|---------|
|                 | Minimum   | Maximum |
| 100%            | 4 Hrs.    | N/A     |
| 200%            | 1 Sec     | 60 Sec  |
| 300%            | 0.2 Sec   | 3 Sec   |
| 800%            | 0.02 Sec  | 0.1 Sec |

#### Approvals



| Safety Agency Approvals                 | Amp range / Volt @ I.R.ability    |
|---|-----------------------------------|
| UL <sub>US</sub> Listed File No. E20624 | 375mA - 7A / 125V @ 50A AC and DC |
| SP Certified File No. LR39772           |                                   |

#### RoHS 6 Compliant Product

RoHS Reflow Reference : JEDEC J-STD-020C (260°C, 40 sec max)  
RoHS Wave Soldering Compatible : (260°C, 10 sec max)

#### Environmental Specification

##### Shock Resistance

MIL-STD-202G, Method 213B, Test Condition I  
(100 G's peak for 6 milliseconds; Sawtooth Waveform)

##### Vibration Resistance

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

##### Salt Spray Resistance

MIL-STD-202G, Method 101E, Test condition B (48 hrs)

##### Insulation Resistance

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

##### Solderability

MIL-STD-202G, Method 208H

##### Soldering Heat Resistance

MIL-STD-202G Method 210F, Test Condition C. Top Side  
(260°C, 20 sec)  
MIL-STD-202G Method 210F, Test Condition D. Bottom Side  
(260°C, 10 sec)

##### Thermal Shock Resistance

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

##### Operating Temperature

-55°C to +125°C

| Catalog Number | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% In (Volt) max. | Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec) | Melting I <sup>2</sup> T @10 In (A <sup>2</sup> Sec) | Maximum Power Dissipation (W) |
|----------------|---------------|-------------------------------|--------------------------------|---|--|-------------------------------|
| SST 375        | 375mA         | 0.70                          | 0.47                           | 0.15  | 0.15   | 0.25                          |
| SST 500        | 500mA         | 0.46                          | 0.43                           | 0.27  | 0.28   | 0.30                          |
| SST 625        | 625mA         | 0.33                          | 0.39                           | 0.45  | 0.47   | 0.35                          |
| SST 750        | 750mA         | 0.26                          | 0.37                           | 0.66  | 0.69   | 0.39                          |
| SST 1          | 1A            | 0.17                          | 0.34                           | 1.2   | 1.3  | 0.47                          |
| SST 1.5        | 1.5A          | 0.10                          | 0.29                           | 3   | 3.1  | 0.62                          |
| SST 2          | 2A            | 0.06                          | 0.24                           | 5   | 5.7  | 0.68                          |
| SST 2.5        | 2.5A          | 0.04                          | 0.21                           | 9   | 9  | 0.74                          |
| SST 3          | 3A            | 0.032                         | 0.18                           | 14  | 16   | 0.80                          |
| SST 3.5        | 3.5A          | 0.027                         | 0.17                           | 18  | 20   | 0.84                          |
| SST 4          | 4A            | 0.023                         | 0.16                           | 23  | 26   | 0.88                          |
| SST 5          | 5A            | 0.017                         | 0.14                           | 38  | 43   | 0.95                          |
| SST 6          | 6A            | 0.013                         | 0.12                           | 56  | 63   | 1.02                          |
| SST 6.3        | 6.3A          | 0.012                         | 0.12                           | 62  | 70   | 1.03                          |
| SST 7          | 7A            | 0.010                         | 0.11                           | 80  | 90   | 1.08                          |

Consult manufacturer for other ratings

#### Physical Specification

##### Materials

Ceramic body / Palladium Plated Brass Caps

##### Marking

On fuse:

"Current Rating" in green color; "bel" stamped in end caps

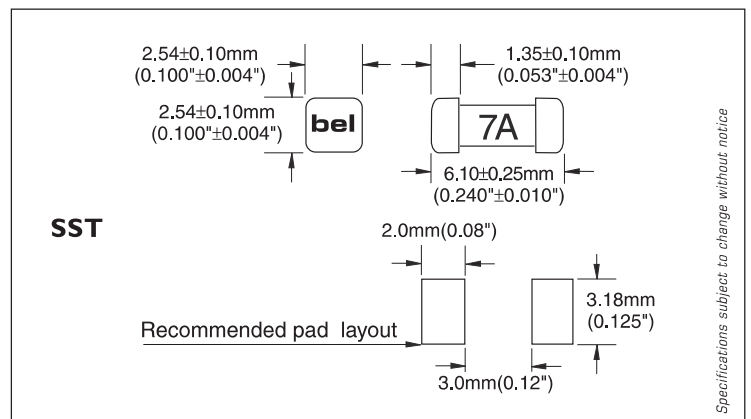
On label:

"bel", "SST", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "UL", "SP", "e" (China RoHS compliant)

##### Packaging

5,000 fuses in 13 inches dia. reel, 12mm wide tape, per EIA Standard 481

#### Mechanical Dimensions



ORDERING INFORMATION SEE LAST 2 PAGES

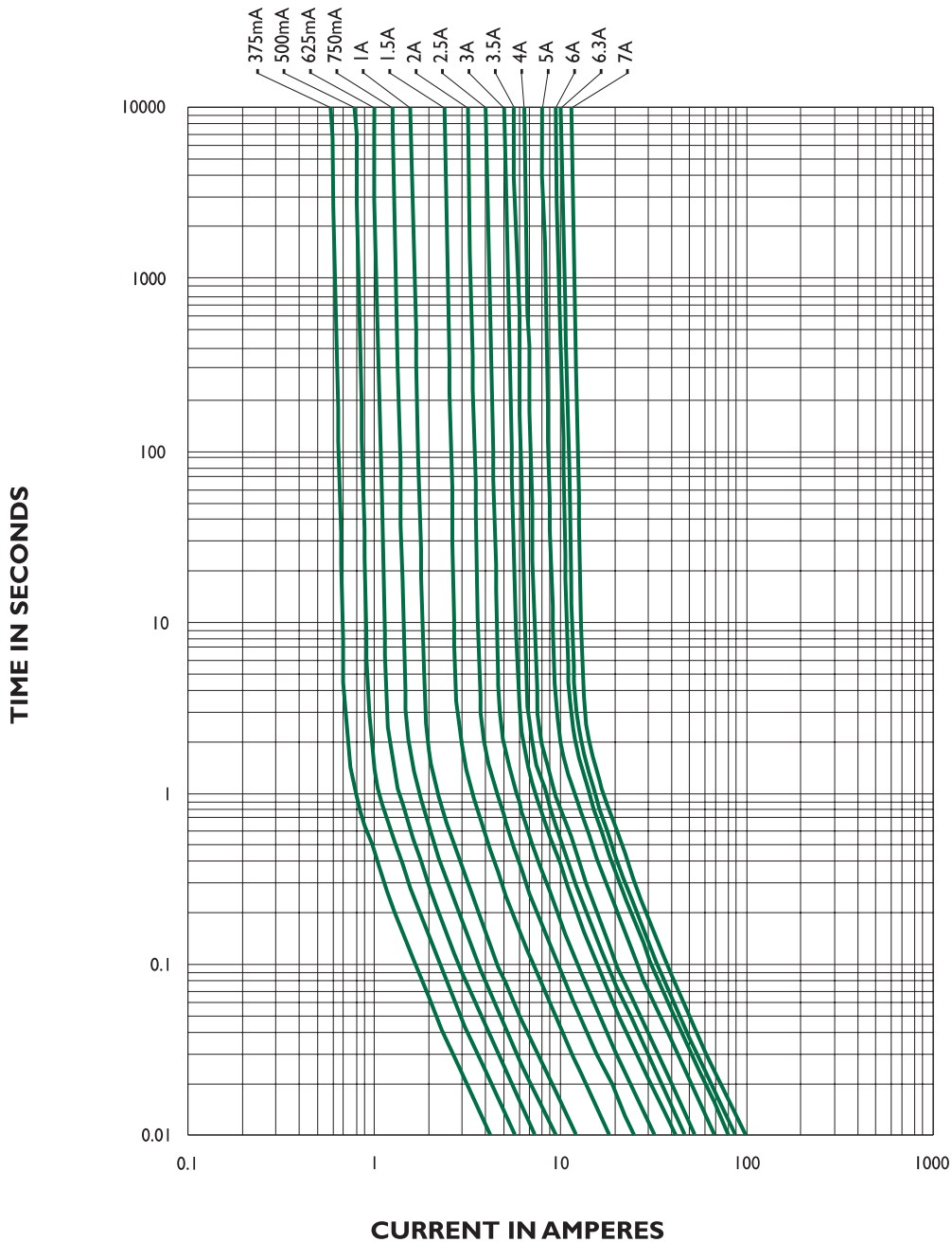
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**Square Ceramic Surface Mount Slow Blow Fuse**

2410 Size  
 RoHS 6 Compliant



SSTC0808

**SST - TIME CURRENT CHARACTERISTIC CURVE**



Specifications subject to change without notice

NOTE - see important information under "User Guide" on P.08

**Corporate Office**

**Bel Fuse Inc.**  
 206 Van Vorst Street, Jersey City, NJ 07302  
 Tel: 201-432-0463  
 Fax: 201-432-9542  
 E-Mail: belfuse@belfuse.com  
 Website: www.belfuse.com

**Far East Office**

**Bel Fuse Ltd.**  
 8F/8 Luk Hop Street  
 San Po Kong  
 Kowloon, Hong Kong  
 Tel: 852-2328-5515  
 Fax: 852-2352-3706

**European Office**

**Bel Fuse Europe Ltd.**  
 Preston Technology Management Centre  
 Marsh Lane, Preston PR1 8UG  
 Lancashire, U.K  
 Tel: 44-1772-556601  
 Fax: 44-1772-888366