RoHS 2002/95/EC

bel *defining a degree of excellence*

# Type SST

2410 Size

## *Square Ceramic Surface Mount Slow Blow Fuse*

***SSTD0104***



### *Electrical Characteristics* *(UL/CSA 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 |

### *Approval*

| Safety Agency Approvals | Amp range / Volt @ I.R ability |
|---|---|
| Listing File No. E20624<br>Certified File No. LR39772 | 375mA - 7A / 125V @ 50A AC/DC |

### *Environmental Specification*

***Soldering Techniques & Compatibility***
Infrared Reflow: 240°C, 20 sec max.
Wave Solder: 260°C, 10 sec max. (MIL-STD-202, Method 210)

***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, 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

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

***Resistance to Solder Heat***
MIL-STD-202, Method 210, Test Condition B
(260°C, 10 sec)

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

| Catalog Number | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% *In* (Volt) max. | Melting $I^2T$ < 10 mSec ($A^2$ Sec) | Melting $I^2T$ @10 *In* ($A^2$ 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 7 | 7A | 0.010 | 0.11 | 80 | 90 | 1.08 |

*Consult manufacturer for other ratings*

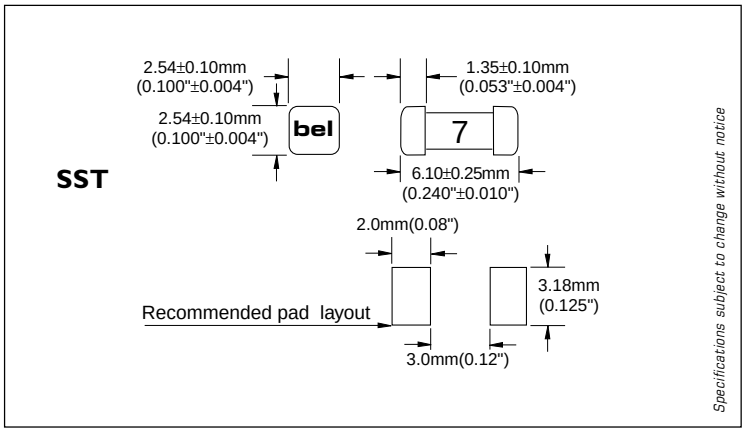
### *Physical Specification*

***Materials***
Ceramic body / Palladium Plated Brass Caps

***Marking***
On fuse:
"Current Rating" in black color, "**bel**" stamped in end caps.
On label:
"**bel**", "**SST**", "Current Rating", "Voltage Rating" Interrupting Rating "CE" plus "Appropriate Safety Logos"

***Packaging***
5,000 fuses in 13 inches dia. reel, 12mm wide tape, 4mm pitch, per EIA Standard 481

### *Mechanical Dimensions*




**ORDERING INFORMATION SEE PAGES 67 & 68**

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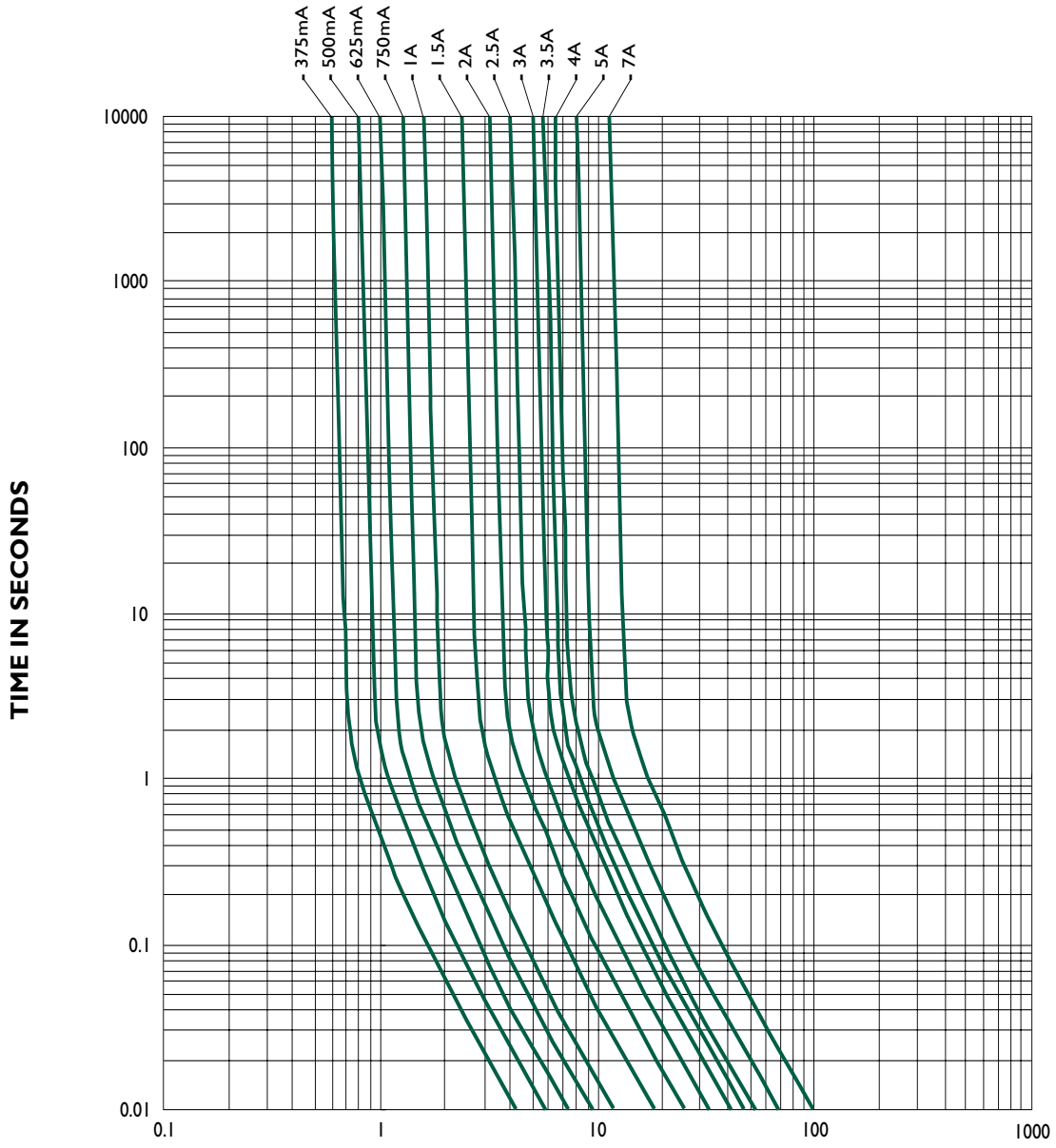
# Type SST

2410 Size

## *Square Ceramic Surface Mount Slow Blow Fuse*

*SSTC0303*

## SST - TIME CURRENT CHARACTERISTIC CURVE




*Specifications subject to change without notice*

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

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