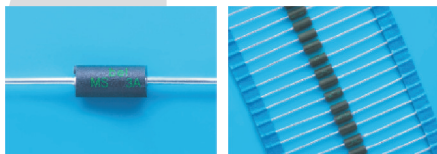


MSD0808



### Electrical Characteristics (UL/CSA STD 248-14)

Testing current	Blow Time	
	Minimum	Maximum
100%	4 Hrs.	N/A
200%	N/A	30 Sec

### Approvals



Safety Agency Approvals	Amp range / Volt @ I.R. ability
UL US Recognized File No. E20624	250mA - 7A / 125V @ 50A AC ; 300A DC
CSA Certified File No. LR39772	

### RoHS Compliant Product

RoHS Wave Soldering Compatible : (260°C, 10 sec max)

### Environmental Specification

#### Shock Resistance

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

#### Vibration Resistance

10-55 Hz x 3 axis/ no load (MIL-STD-202, Method 201)

#### Salt Spray Resistance

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

#### Solderability

MIL-STD-202G, Method 208H

#### Soldering Heat Resistance

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

#### Moisture Resistance

MIL-STD-202F, Method 106

#### Operating Temperature

-55°C to 125°C

### Physical Specification

#### Materials

Body:  
Molded with UL Recognized epoxy component plastic, UL94-V0  
LeadWire:  
Matte Tin Plated Copper, Diameter 0.032" for all ratings

#### Marking

On fuse:  
"bel", "MS", "Current Rating", "125V" printed in green color

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% I <sub>n</sub> (Volt) max.	Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec)	Melting I <sup>2</sup> T @10 I <sub>n</sub> (A <sup>2</sup> Sec)	Maximum Power Dissipation (W)
MS 250	250mA	3.20	2.20	0.047	0.042	0.80
MS 300	300mA	2.57	2.02	0.063	0.056	0.82
MS 375	375mA	1.66	1.69	0.111	0.101	0.85
MS 500	500mA	1.07	1.42	0.20	0.18	0.88
MS 750	750mA	0.55	1.09	0.46	0.44	0.94
MS 1	1A	0.36	0.91	0.81	0.78	0.98
MS 1.25	1.25A	0.23	0.77	1.44	1.41	1.01
MS 1.5	1.5A	0.18	0.70	1.9	1.9	1.03
MS 2	2A	0.12	0.59	3.4	3.4	1.08
MS 2.5	2.5A	0.08	0.50	6.0	6.1	1.12
MS 3	3A	0.06	0.45	8.0	8.1	1.14
MS 3.5	3.5A	0.05	0.42	10.6	10.9	1.17
MS 4	4A	0.04	0.38	14	15	1.19
MS 5	5A	0.02	0.29	33	35	1.26
MS 7	7A	0.01	0.25	59	63	1.31

Consult manufacturer for other ratings

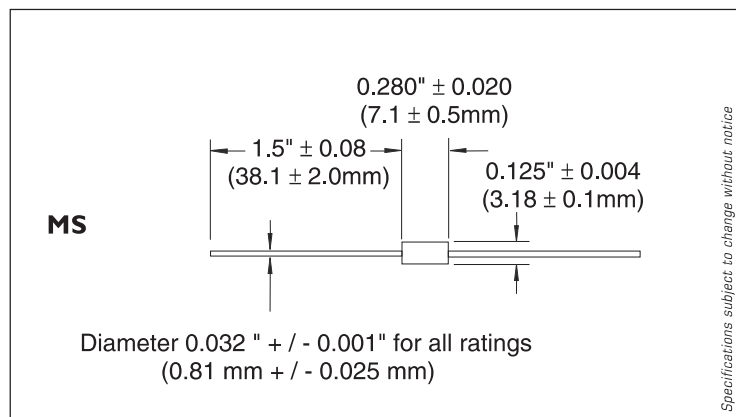
On label:

"bel", "MS", "Current Rating", "Voltage Rating", "Interrupting rating", "Appropriate Safety Logos" and "M", "50" (China RoHS compliant)

### Packaging

- In bulk:  
1,000 pcs per box
- On Axial Tape & Reel:  
2,500 pcs per reel
- Tape & Reel specification:  
per EIA-296-E & IEC 286-1 @ 5mm Pitch and 52.4mm inside Tape Spacing

### Mechanical Dimensions



ORDERING INFORMATION SEE LAST 2 PAGES

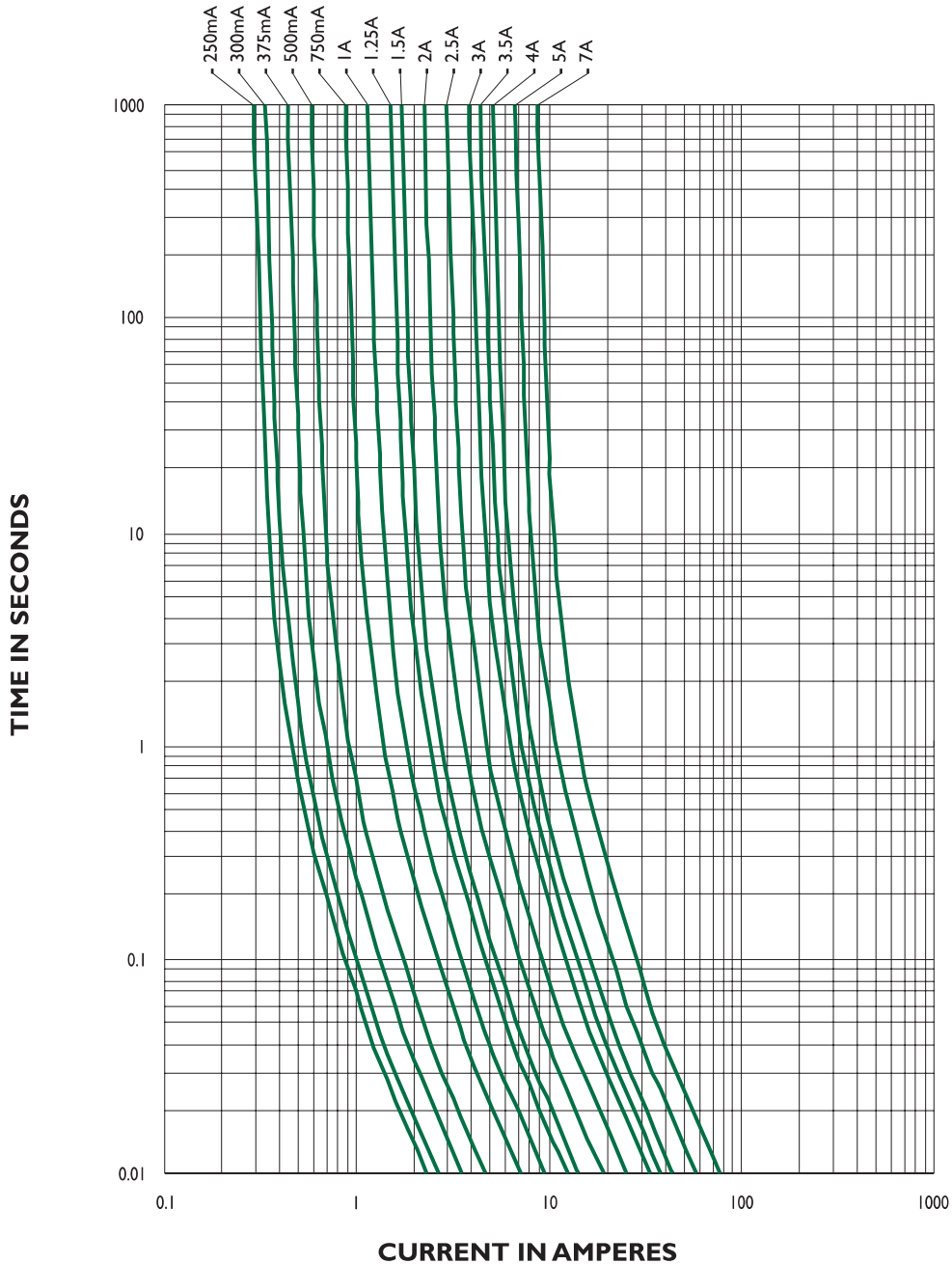
**Type MS**  
**Slow Blow Micro Fuse**

3 X 7 mm size  
 RoHS Compliant



MSC0808

**MS - 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