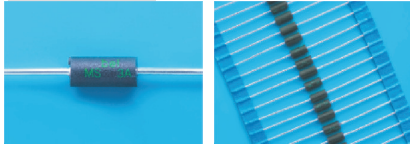


**Type MS**  
**Slow Blow Micro Fuse**

3 X 7 mm size  
RoHS Compliant

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
Recognized File No. E20624 Certified File No. LR39772	250mA - 7A / 125V @ 50A AC ; 300A DC

**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% 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)
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

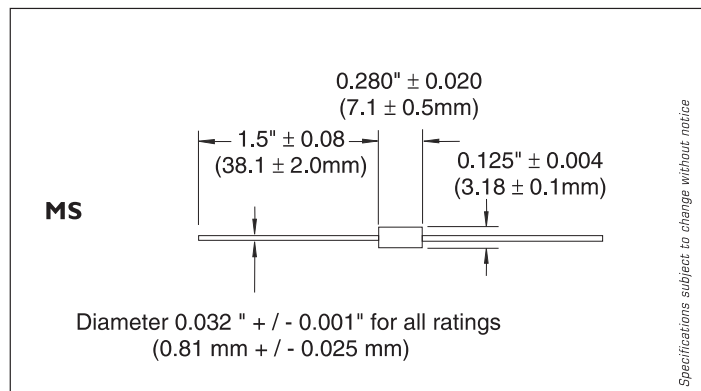
On label:

"bel", "MS", "Current Rating", "Voltage Rating", "Interrupting rating", "Appropriate Safety Logos" and "RoHS", "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

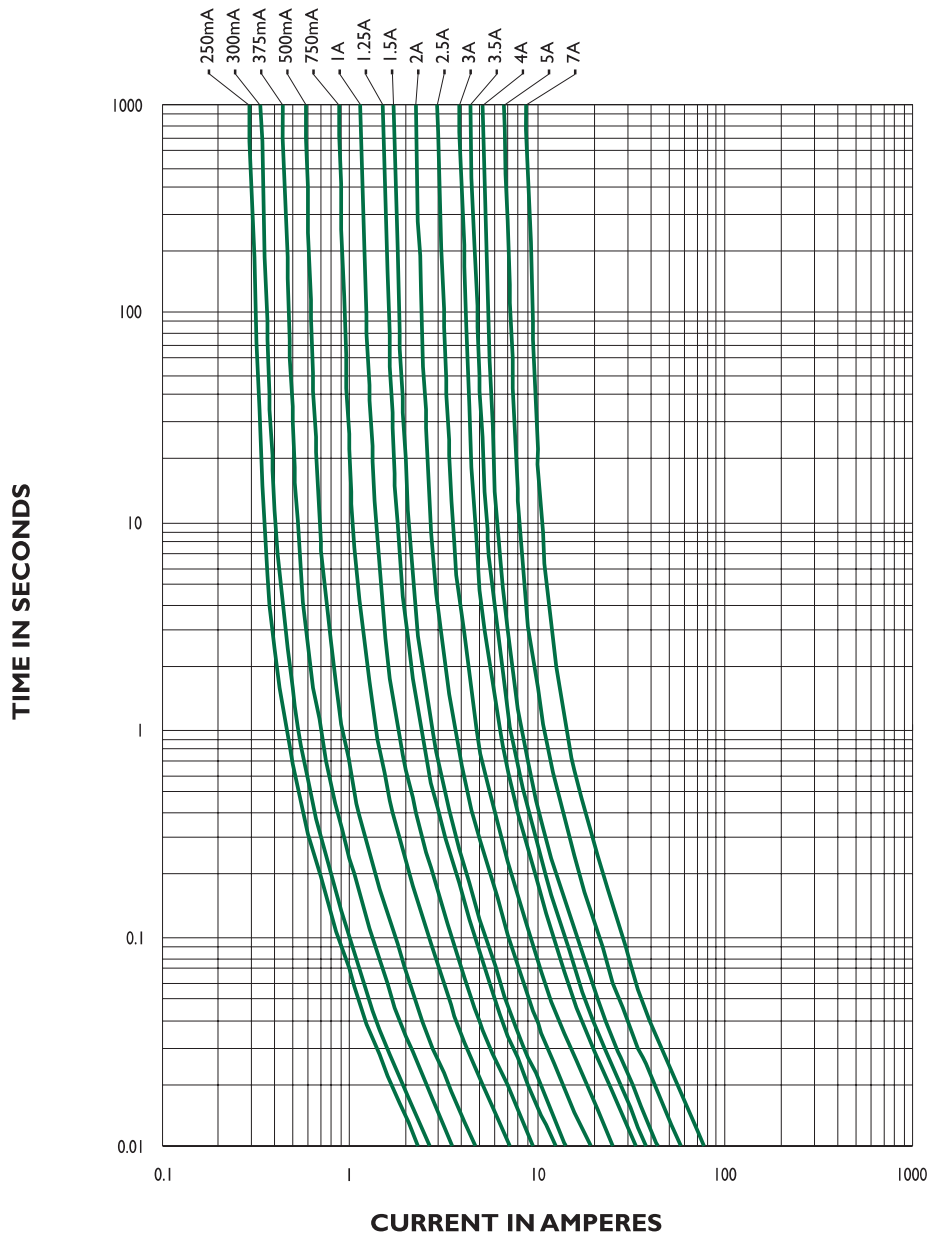
**Type MS**  
**Slow Blow Micro Fuse**

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

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