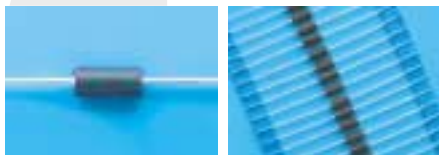


**Type MS**  
**Slow Blow Micro Fuse**

3 X 7 mm size  
RoHS Compliant

MSD1105



**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
SF Certified File No. LR39772	

**RoHS Compliant Product**

RoHSWave 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:  
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>I<sub>n</sub></i> (Volt) max.	Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec)	Melting I <sup>2</sup> T @10 <i>I<sub>n</sub></i> (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

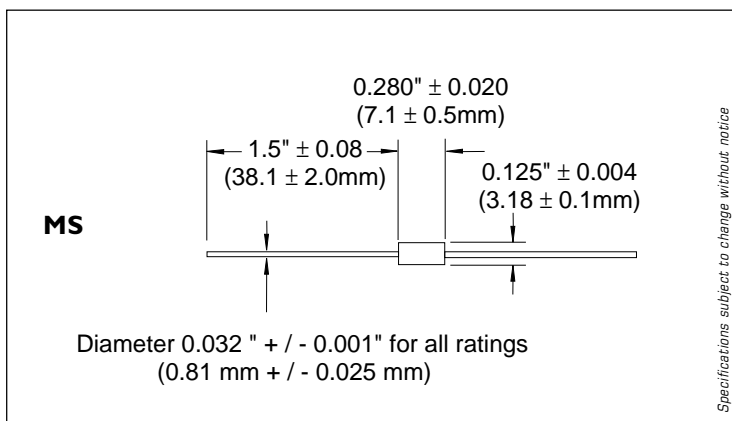
On label:

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

**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**



Specifications subject to change without notice

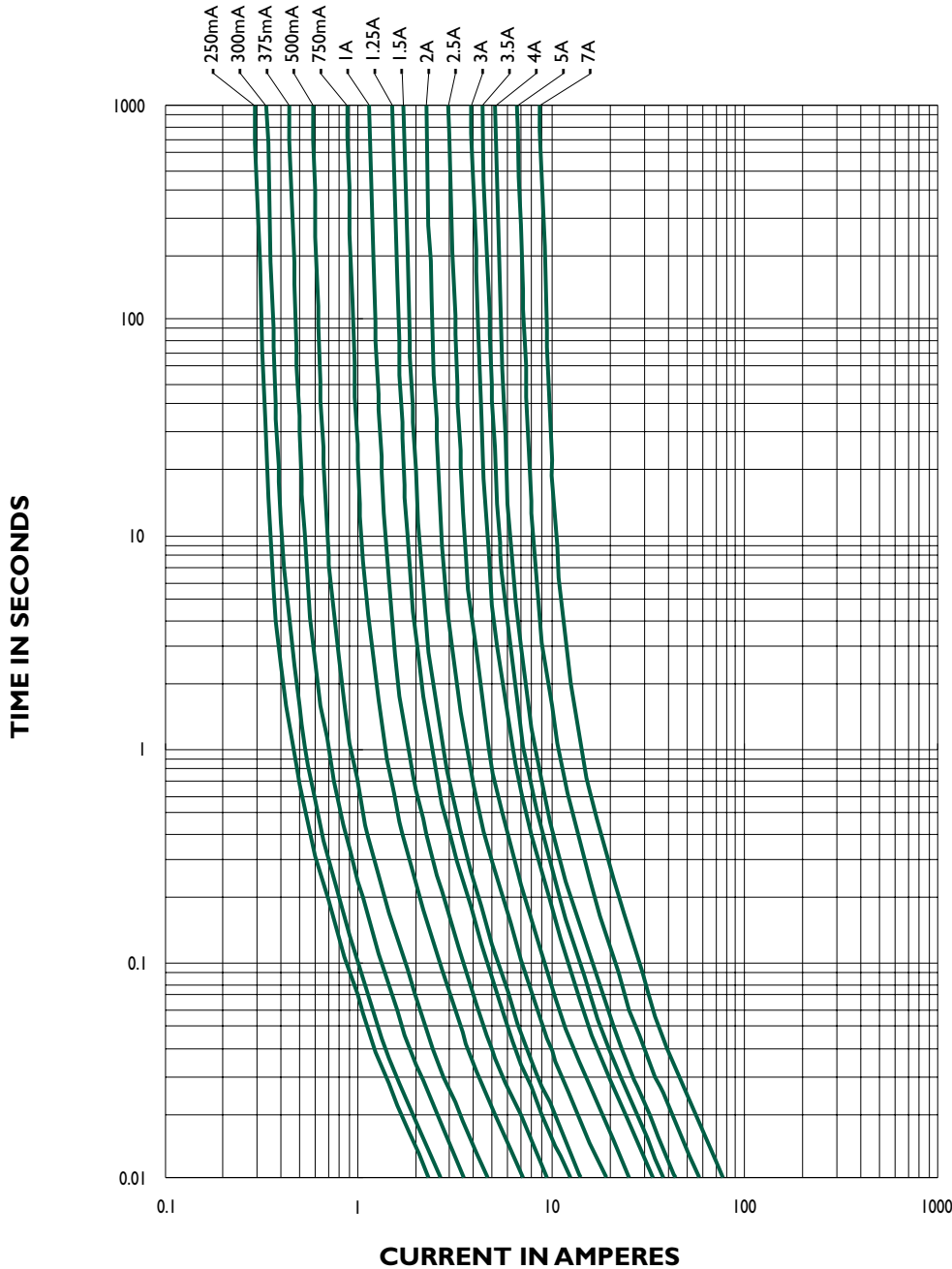
ORDERING INFORMATION SEE LAST 2 PAGES

**Type MS**  
Slow Blow Micro Fuse

3 X 7 mm size  
RoHS Compliant

MSC1004

**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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