

## Type MQ

### Quick Acting Micro Fuse



#### Electrical Characteristics

Testing current	Blow Time	
	Minimum	Maximum
100%	4 Hrs.	N/A
200%	N/A	5 Sec

#### Approvals



Safety Agency Approvals	Amp range / Volt @ I.R. ability
UL Recognized File No. E20624	100mA - 15A/125V @ 50A ac; 300A dc.
SP Certified File No. LR39772	

#### Environmental Specification

**Operating Temperature**  
-55°C to +125°C

**Soldering Heat Resistance**  
260°C, 10 sec. per IEC 68-2-20

**Moisture Resistance**  
MIL-STD-202F, Method 106

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

**Shock Resistance**  
MIL-STD-202, Method 213, Condition I (Sawtooth)

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

#### Physical Specification

##### Materials

Body:  
Molded with UL Recognized epoxy component plastic,  
UL 94-V0

Lead Wire:  
Tin-lead plated Copper,  
Diameter 0.025" for 7A and less  
Diameter 0.032" for rating above 7A

##### Marking

On fuse:  
"bel", "MQ", "Current Rating", "125V" printed in white  
color  
On label:  
Above info plus "UL SP CE" and interrupting rating

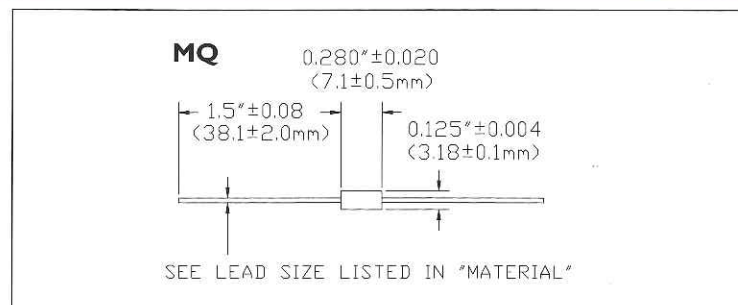
Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) max.	Melting I <sup>2</sup> t < 10 mSec (A <sup>2</sup> Sec)	Melting I <sup>2</sup> t @ 10 In (A <sup>2</sup> Sec)	Maximum Power Dissipation (W)
MQ 100	100mA	3.0	0.68	0.0007	0.0006	0.075
MQ 125	125mA	2.2	0.61	0.0012	0.0009	0.087
MQ 150	150mA	1.6	0.54	0.0019	0.0015	0.10
MQ 200	200mA	1.2	0.48	0.003	0.002	0.12
MQ 250	250mA	0.85	0.43	0.005	0.004	0.14
MQ 300	300mA	0.62	0.39	0.009	0.008	0.16
MQ 375	375mA	0.49	0.35	0.013	0.012	0.18
MQ 500	500mA	0.33	0.31	0.025	0.023	0.21
MQ 750	750mA	0.19	0.25	0.062	0.056	0.27
MQ 1	1A	0.13	0.22	0.11	0.10	0.33
MQ 1.5	1.5A	0.07	0.18	0.29	0.25	0.42
MQ 2	2A	0.054	0.24	0.33	0.27	0.33
MQ 2.5	2.5A	0.041	0.22	0.59	0.50	0.40
MQ 3	3A	0.031	0.20	1.1	0.9	0.48
MQ 4	4A	0.023	0.19	1.9	1.6	0.58
MQ 5	5A	0.018	0.17	3.4	3.0	0.71
MQ 7	7A	0.012	0.15	8	7	0.9
MQ 10	10A	0.007	0.098	25	21	1.3
MQ 12	12A	0.006	0.093	41	35	1.5
MQ 15	15A	0.004	0.088	70	63	1.8

Consult manufacturer for other ratings

#### 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



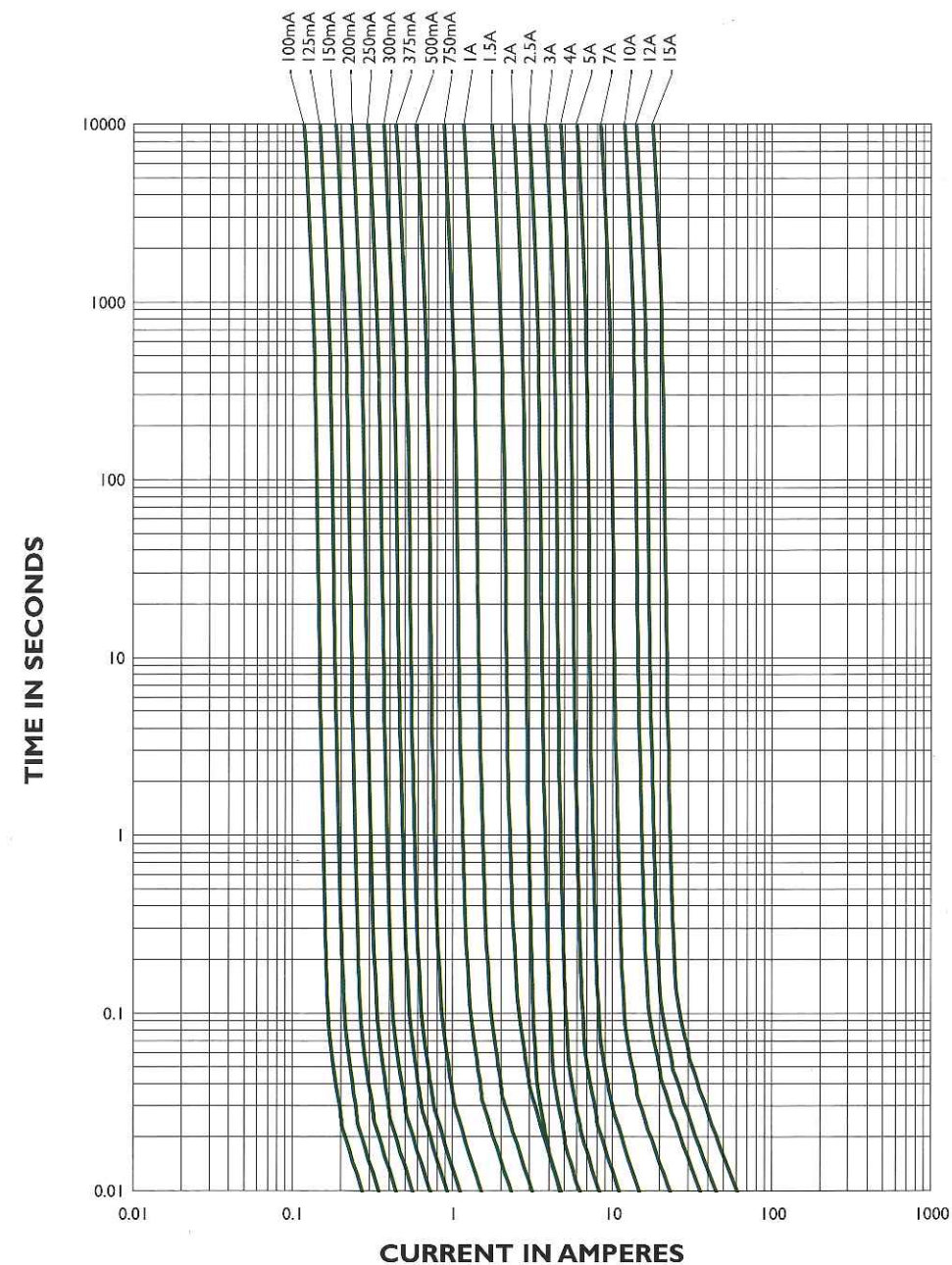
Specifications subject to change without notice.

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#### MQ - TIME CURRENT CHARACTERISTIC CURVE



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