

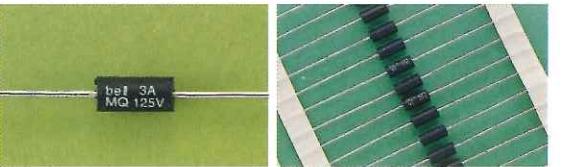


defining a degree of excellence

Type MQ

Quick Acting Micro Fuse

MQD0897

**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.
CE 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:

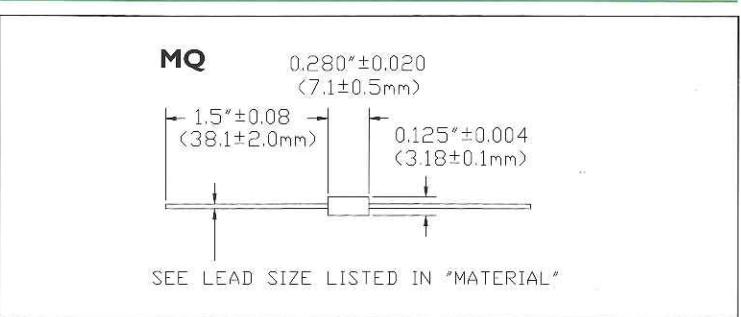
Above info plus "UL CE" and interrupting rating

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) max.	Melting 1 st T <10 mSec (A ² Sec)	Melting 1 st T @10 In (A ² 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

1. In bulk:
1,000 pcs per box
2. On Axial Tape & Reel:
2,500 pcs per reel
3. 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.

Bel Fuse Inc. 198 Van Vorst Street, Jersey City, NJ 07302 • Tel: 201-432-0463 • Fax: 201-432-9542 • E-Mail: BelFuse@compuserve.com
Internet: http://www.belfuse.com

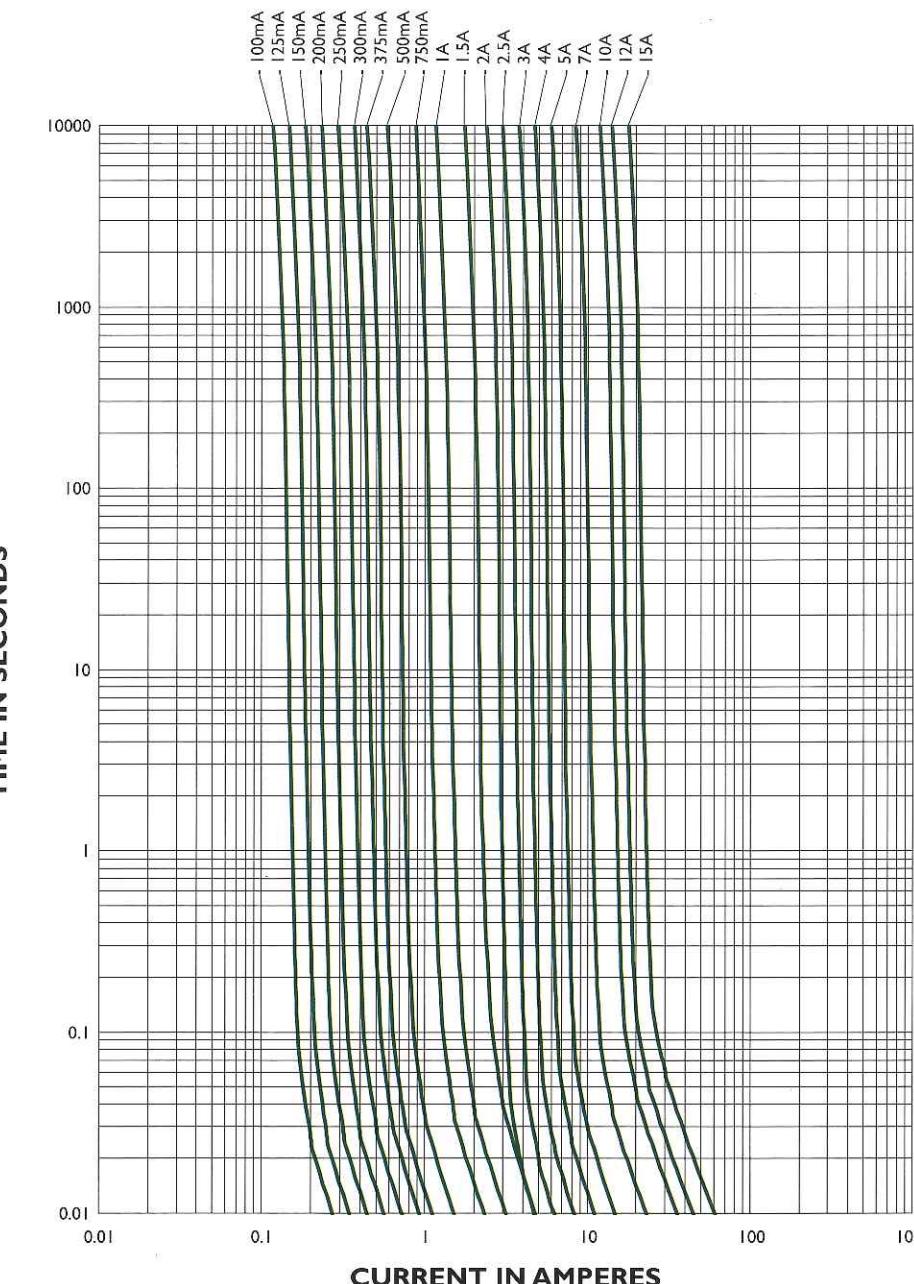
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MQC0897

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MQ - TIME CURRENT CHARACTERISTIC CURVE

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Corporate Office

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