

## 5 x 20mm Medium Time-Delay Glass Tube Fuses GMC Series



### Description

- Medium time-delay, low breaking capacity
- Available with optional axial leads
- 5 x 20mm physical size
- Glass tube, nickel-plated brass endcap construction
- Designed to UL/CSA 248-14

Electrical Characteristics		
Rated Current	% of Amp Rating	Opening Time
63mA - 10A	100%	None
	135%	60 minutes maximum
	200%	2 minutes maximum

### Agency Information

- UL Listed, Guide JDYX, File E19180, 63mA-6.3A
- UL Recognized Card: (7A-10A) Guide JDYX2, File E19180
- CSA Certified, Class 1422-01, File E65063, 63mA-6.3A
- MITI Approval, 1A-10A
- KC-Mark: Certificate SU05011-4001 (63mA~250mA); SU05011-4002 (300mA~800mA); SU05011-4003 (1A~3.15A); SU05011-4004 (3.5A~6.3A)

### Ordering

- Specify packaging code prefix, product number and option code suffix
- For RoHS compliant version (suffix "-R"), drop mA or A from product code (e.g., GMC-2-R)

Specifications						
Product Number	Voltage Rating Vac	Interrupting Rating (Amps)*		Typical DC Cold Resistance (Ω)**	Typical Pre-Arc I <sup>†</sup> t AC <sup>†</sup>	Maximum Voltage Drop (mV) <sup>‡</sup>
		250Vac	125Vac			
GMC-63mA	250	35	10,000	10.350	0.0027	1400
GMC-80mA	250	35	10,000	-	0.0050	1400
GMC-100mA	250	35	10,000	4.775	0.0094	1200
GMC-125mA	250	35	10,000	3.400	0.014	1000
GMC-150mA	250	35	10,000	2.555	0.022	800
GMC-160mA	250	35	10,000	2.295	0.022	730
GMC-200mA	250	35	10,000	1.395	0.032	650
GMC-250mA	250	35	10,000	0.965	0.046	490
GMC-300mA	250	35	10,000	0.838	0.081	580
GMC-315mA	250	35	10,000	0.685	0.081	480
GMC-400mA	250	35	10,000	0.615	0.18	510
GMC-500mA	250	35	10,000	0.335	0.41	370
GMC-600mA	250	35	10,000	0.282	0.60	360
GMC-630mA	250	35	10,000	0.246	0.66	360
GMC-700mA	250	35	10,000	0.213	0.85	340
GMC-750mA	250	35	10,000	0.213	0.85	320
GMC-800mA	250	35	10,000	0.180	0.85	290
GMC-1A	250	35	10,000	0.156	1.8	250
GMC-1.25A	250	100	10,000	0.098	3.4	200
GMC-1.5A	250	100	10,000	0.076	5.4	190
GMC-1.6A	250	100	10,000	0.067	5.8	160
GMC-2A	250	100	10,000	0.043	8.9	130
GMC-2.5A	250	100	10,000	0.035	13	130
GMC-3A	250	100	10,000	0.026	19	130
GMC-3.15A	250	100	10,000	0.025	23	130
GMC-3.5A	125	-	10,000	0.022	25	130
GMC-4A	125	-	10,000	0.019	36	120
GMC-5A	125	-	10,000	0.014	58	120
GMC-6A	125	-	10,000	0.013	88	120
GMC-6.3A	125	-	10,000	0.012	110	120
GMC-7A	125	-	200	0.012	150	120
GMC-8A	125	-	200	0.009	200	110
GMC-10A	125	-	200	0.007	300	110

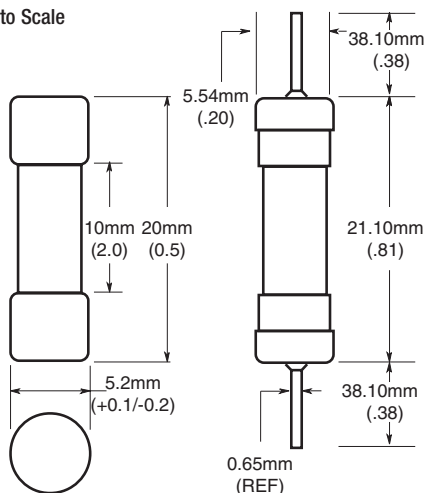
\* Interrupting ratings: Interrupting ratings for 63mA - 6.3A were measured at 70% - 80% power factor on AC. The interrupting ratings for 7A - 10A were measured at 100% power factor on AC.

\*\* DC Cold Resistance (Measured at <10% of rated current)

<sup>†</sup> Typical Pre-Arching Ft (Ft was measured at listed interrupting rating and rated voltage)

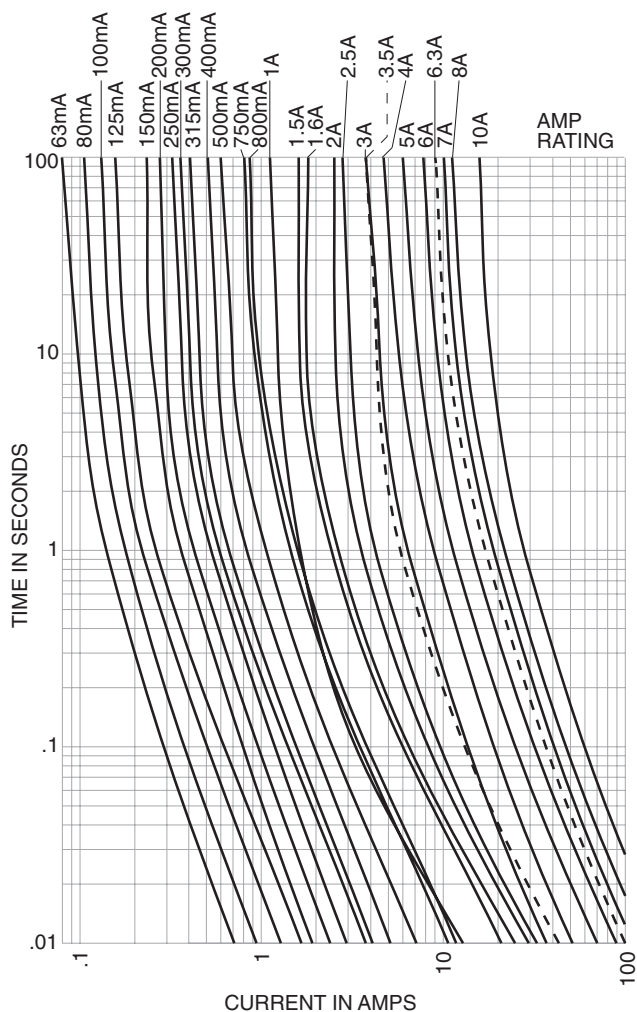
<sup>‡</sup> Maximum Voltage drop (Voltage drop was measured at 20°C ambient temperature at rated current)

**Dimensions - mm**  
Drawing Not to Scale



- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

**Time-Current Curves**



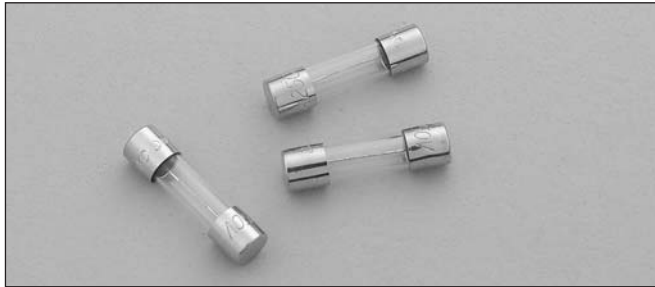
Packaging Code	
Product Number Prefix	Description
BK-	100 fuses packed into a cardboard carton
BK1-	1000 fuses packed into a poly bag
TR2-	1500 Axial lead fuses packed into tape on a reel (19.05mm lead wire length)

Option Code	
Product Number Suffix	Description
-V	Axial leads - copper tinned wire with nickel plated brass overcaps (place before amp rating; e.g., GMC-V-2)
-R	RoHS compliant version (drop "mA" or "A" from product number when ordering)

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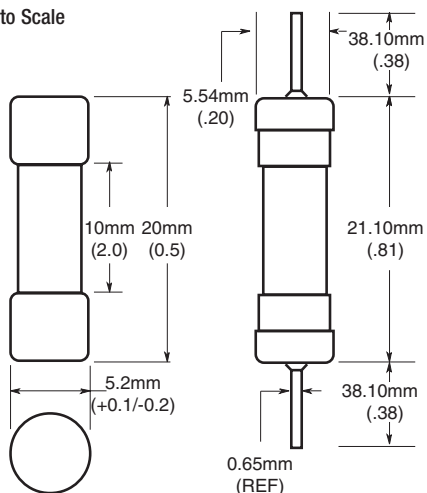
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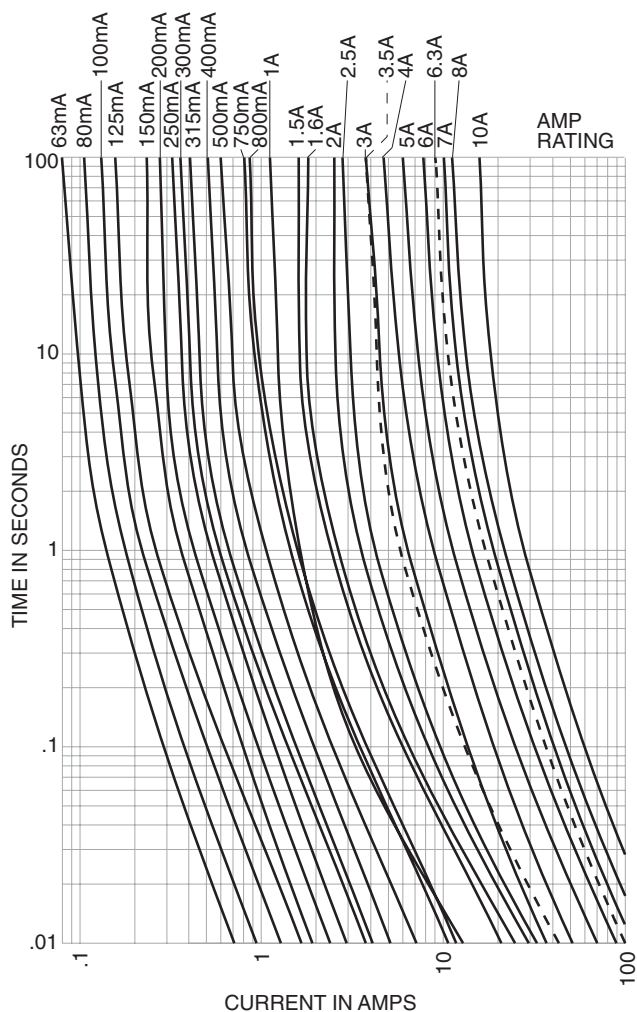
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