

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 ² t AC† | Maximum Voltage Drop (mV)‡ |
| | | 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 |

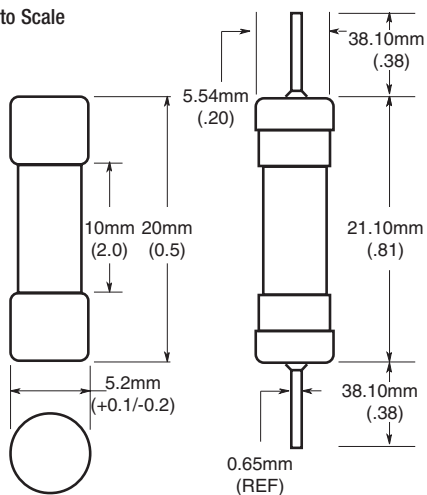
* Interrupting ratings: Interrupting ratings for 63mA - 6.3A were measured at 70% - 80% power factor on AC. The interrupting ratings for 7A - 10A were measured at 100% power factor on AC.

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

† Typical Pre-Arching I²t (I²t was measured at listed interrupting rating and rated voltage)

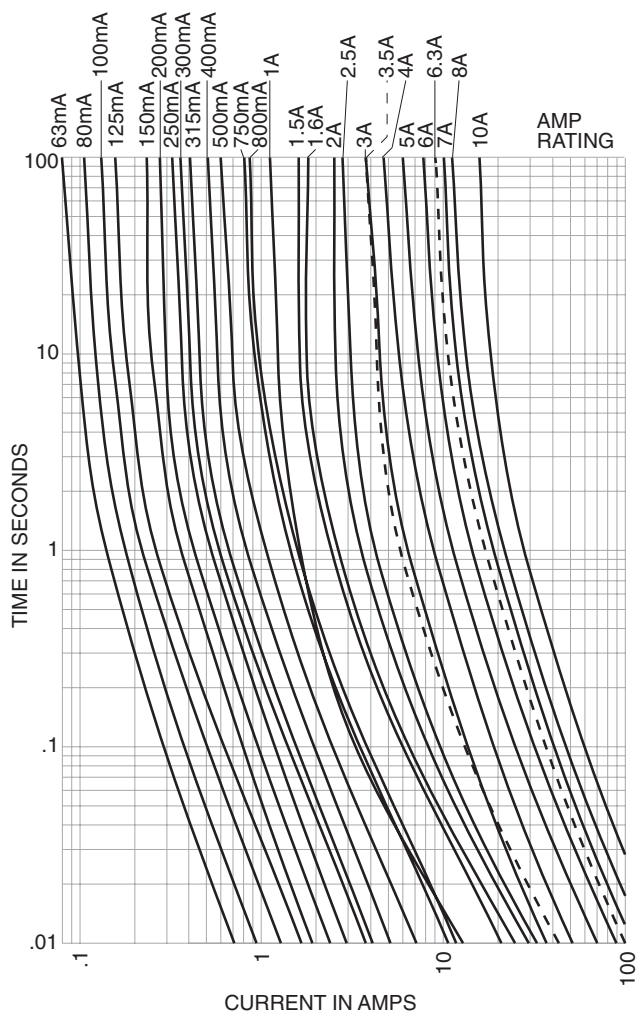
‡ Maximum Voltage drop (Voltage drop was measured at 20°C ambient temperature at rated current)

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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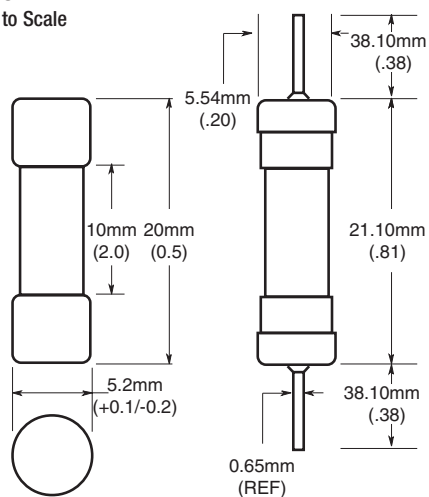
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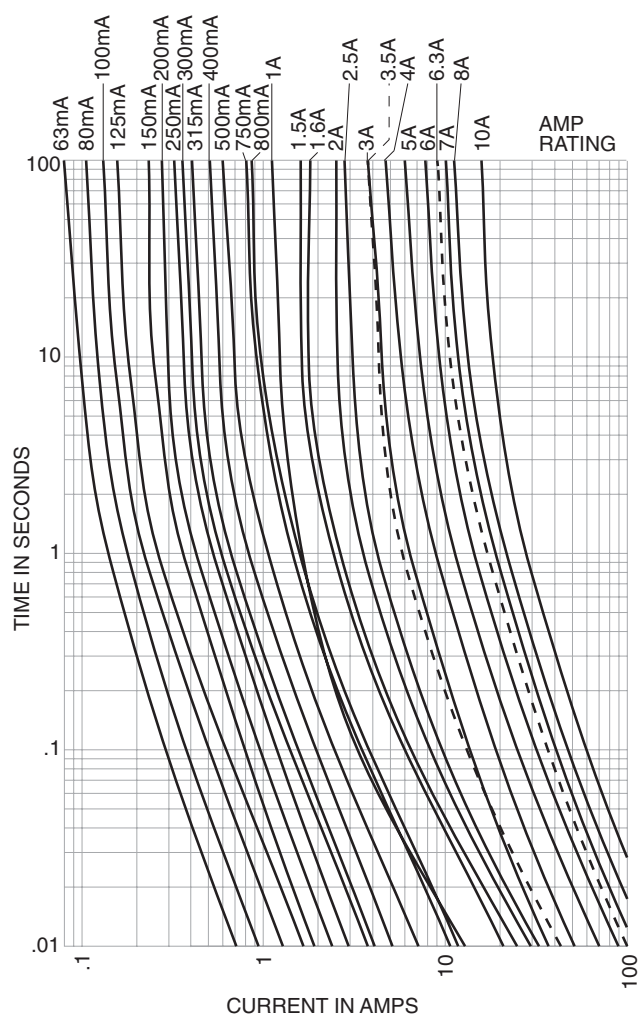
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