



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

#### Description

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

| ELECTRICAL CHARACTERISTICS |                               |                    |  |  |
|----------------------------|-------------------------------|--------------------|--|--|
| Rated Current              | t % of Amp Rating Opening Tin |                    |  |  |
| 63mA - 10A                 | 100%                          | None               |  |  |
|                            | 135%                          | 60 minutes maximum |  |  |
|                            | 200%                          | 2 minutes maximum  |  |  |

## **Agency Information**

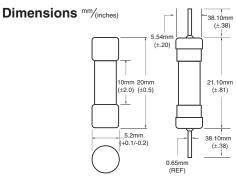
- UL Listed, Guide JDYX, File E19180, 63mA-6.3A
- UL Recognized Card: (7A-10A) Guide JDYX2, File E19180
- CSA Certified, Class 1422-01, File E65063, 63mA-6.3A
- MITI Approval, 1A-10A
- CCC Approval, 500mA-6.3A

#### Ordering

- Specify packaging, product, and option code
- For -R option, drop mA or A from product code (i.e. GMC-2-R)







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

| (i.e. Givic-2-n) |                   |      |                    |                               |                        |                    |  |
|------------------|-------------------|------|--------------------|-------------------------------|------------------------|--------------------|--|
| SPECIFICATIONS   |                   |      |                    |                               |                        |                    |  |
| Product Code     | Voltage<br>Rating | Ra   | errupting<br>ting* | Typical DC Cold<br>Resistance | Typical<br>Pre-Arc I²t | Maximum<br>Voltage |  |
|                  | AC                | 250V | 125V               | (ohms)**                      | AC†                    | Drop (mV)‡         |  |
| GMC-63mA         | 250V              | 35A  | 10,000A            | 10.350                        | 0.0027                 | 1400               |  |
| GMC-80mA         | 250V              | 35A  | 10,000A            | -                             | 0.0050                 | 1400               |  |
| GMC-100mA        | 250V              | 35A  | 10,000A            | 4.775                         | 0.0094                 | 1200               |  |
| GMC-125mA        | 250V              | 35A  | 10,000A            | 3.400                         | 0.014                  | 1000               |  |
| GMC-150mA        | 250V              | 35A  | 10,000A            | 2.555                         | 0.022                  | 800                |  |
| GMC-160mA        | 250V              | 35A  | 10,000A            | 2.295                         | 0.022                  | 730                |  |
| GMC-200mA        | 250V              | 35A  | 10,000A            | 1.395                         | 0.032                  | 650                |  |
| GMC-250mA        | 250V              | 35A  | 10,000A            | 0.965                         | 0.046                  | 490                |  |
| GMC-300mA        | 250V              | 35A  | 10,000A            | 0.838                         | 0.081                  | 580                |  |
| GMC-315mA        | 250V              | 35A  | 10,000A            | 0.685                         | 0.081                  | 480                |  |
| GMC-400mA        | 250V              | 35A  | 10,000A            | 0.615                         | 0.18                   | 510                |  |
| GMC-500mA        | 250V              | 35A  | 10,000A            | 0.335                         | 0.41                   | 370                |  |
| GMC-600mA        | 250V              | 35A  | 10,000A            | 0.282                         | 0.60                   | 360                |  |
| GMC-630mA        | 250V              | 35A  | 10,000A            | 0.246                         | 0.66                   | 360                |  |
| GMC-700mA        | 250V              | 35A  | 10,000A            | 0.213                         | 0.85                   | 340                |  |
| GMC-750mA        | 250V              | 35A  | 10,000A            | 0.213                         | 0.85                   | 320                |  |
| GMC-800mA        | 250V              | 35A  | 10,000A            | 0.180                         | 0.85                   | 290                |  |
| GMC-1A           | 250V              | 35A  | 10,000A            | 0.156                         | 1.8                    | 250                |  |
| GMC-1.25A        | 250V              | 100A | 10,000A            | 0.098                         | 3.4                    | 200                |  |
| GMC-1.5A         | 250V              | 100A | 10,000A            | 0.076                         | 5.4                    | 190                |  |
| GMC-1.6A         | 250V              | 100A | 10,000A            | 0.067                         | 5.8                    | 160                |  |
| GMC-2A           | 250V              | 100A | 10,000A            | 0.043                         | 8.9                    | 130                |  |
| GMC-2.5A         | 250V              | 100A | 10,000A            | 0.035                         | 13                     | 130                |  |
| GMC-3A           | 250V              | 100A | 10,000A            | 0.026                         | 19                     | 130                |  |
| GMC-3.15A        | 250V              | 100A | 10,000A            | 0.025                         | 23                     | 130                |  |
| GMC-3.5A         | 125V              | -    | 10,000A            | 0.022                         | 25                     | 130                |  |
| GMC-4A           | 125V              | -    | 10,000A            | 0.019                         | 36                     | 120                |  |
| GMC-5A           | 125V              | -    | 10,000A            | 0.014                         | 58                     | 120                |  |
| GMC-6A           | 125V              | -    | 10,000A            | 0.013                         | 88                     | 120                |  |
| GMC-6.3A         | 125V              | -    | 10,000A            | 0.012                         | 110                    | 120                |  |
| GMC-7A           | 125V              | -    | 200A               | 0.012                         | 150                    | 120                |  |
| GMC-8A           | 125V              | -    | 200A               | 0.009                         | 200                    | 110                |  |
| GMC-10A          | 125V              | -    | 200A               | 0.007                         | 300                    | 110                |  |
|                  |                   |      |                    |                               |                        |                    |  |

Interrupting ratings: Interrupting ratings for 7A - 10A 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 I't (I't was measured at listed interrupting rating and rated voltage)

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

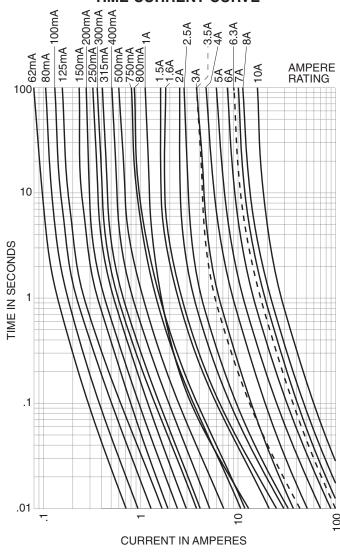




# 5mm x 20mm Fuses

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### TIME CURRENT CURVE



| PACKAGING CODE |   |  |  |  |
|----------------|---|--|--|--|
| Packaging Code | Description   |  |  |  |
| BK             | 100 pieces of fuses packed into a cardboard carton                          |  |  |  |
| BK1            | 1,000 pieces of fuses packed into a poly bag                                |  |  |  |
| TR2            | 1,500 pieces of fuses packed into tape on a reel (19.05mm lead wire length) |  |  |  |

| OPTION CODE |  |  |
|-------------|--|--|
| Option Code | Description  |  |
| V           | Axial leads - copper tinned wire with nickel plated brass overcaps |  |
| -R          | RoHS compliant version   |  |



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