COOPER Bussmann

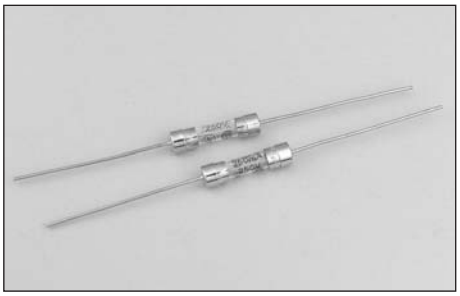
# 5 x 20mm Fuses

## GMD Series,Time-Delay, Glass Tube

### Description

- Time-delay, low breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Nickel-plated brass endcap construction
- Designed to UL/CSA 248-14

RoHS 2002/95/EC



| Electrical Characteristics | | |
|---|---|---|
| **Rated Current** | **% of Amp Rating** | **Opening Time** |
| 100mA - 4A | 100% | None |
| | 135% | 60 minutes maximum |
| | 200% | 5 seconds minimum |
| | | 2 minutes maximum |

### Agency Information

- UL Listed, Guide JDYX, File E19180
- UL Recognition Card (4A), Guide JDYX2, File E19180
- CSA Certified, Class 1422-01, File 53787
- PSE/JET, File 1641-31003-1001

### Ordering

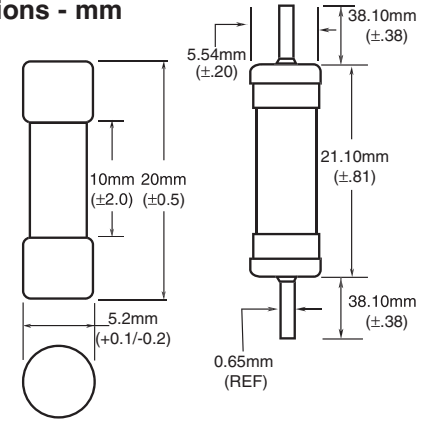
Specify product code

- Insert packaging code prefix before part number. E.g. BK/GMD-250-R

Specify option code if desired

- For axial leads, insert “V” between catalog series and amp rating. E.g. BK/GMD-V-250-R

### Dimensions - mm



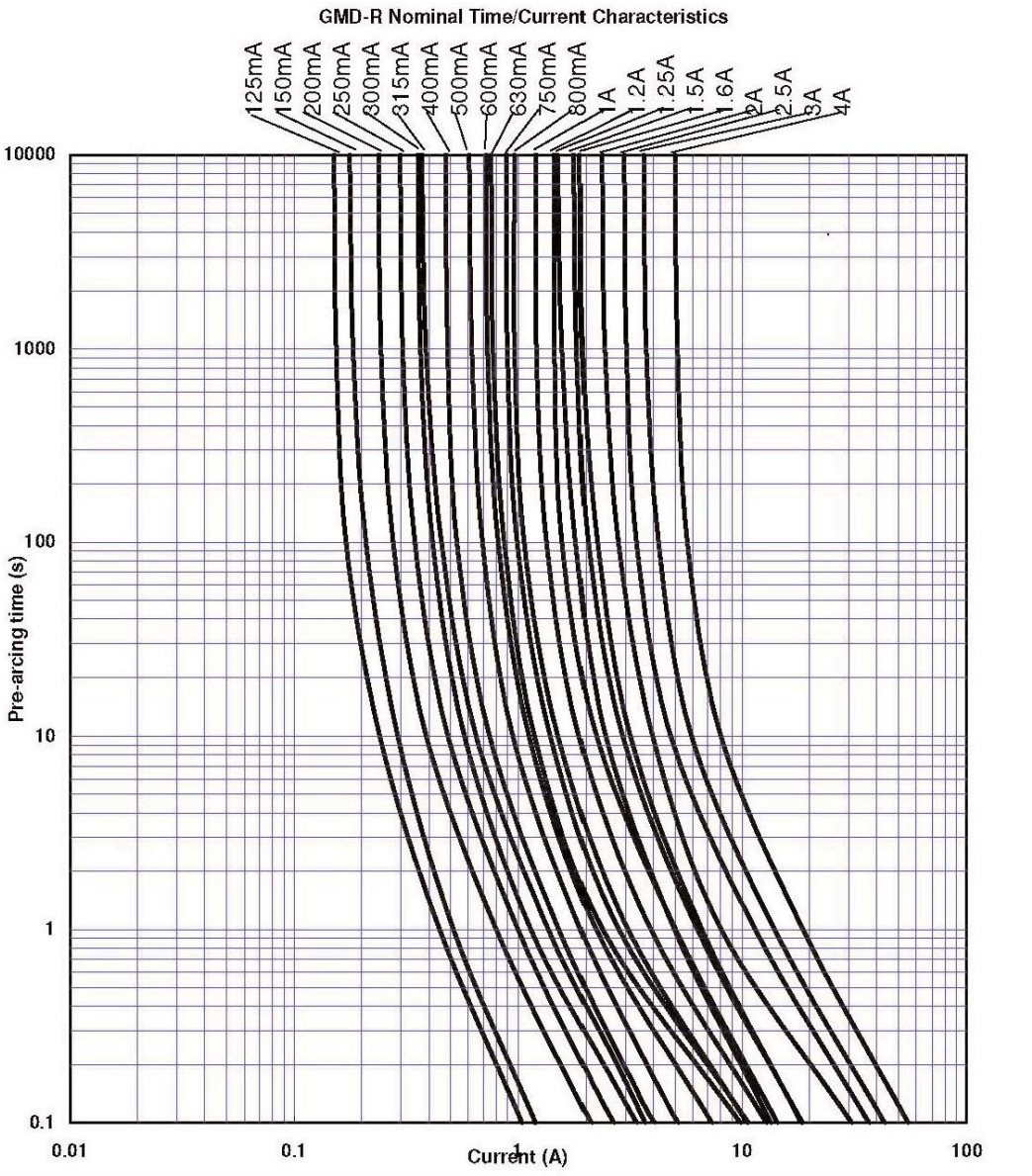

- With TR2 packaging code, lead wire length is 19.05mm

## Specifications

| Part Number | Voltage Rating | Interrupting Rating (amps) at Rated Voltage (50Hz) | | Typical DC Cold Resistance | Typical Melting I²t | Typical Voltage | Agency Approvals | | |
|---|---|---|---|---|---|---|---|---|---|
| | Vac | 250 Vac | 125 Vac | (Ω)** | (amps)† | Drop (mV)‡ | UL | PSE JET | CSA |
| **GMD-125-R** | 250 | 35 | 10,000 | 8.125 | 0.043 | 1600 | X | | X |
| **GMD-150-R** | 250 | 35 | 10,000 | 6.065 | 0.046 | 1200 | X | | X |
| **GMD-200-R** | 250 | 35 | 10,000 | 5.190 | 0.200 | 1100 | X | | X |
| **GMD-250-R** | 250 | 35 | 10,000 | 3.455 | 0.4 | 950 | X | | X |
| **GMD-300-R** | 250 | 35 | 10,000 | 3.215 | 0.650 | 800 | X | | X |
| **GMD-315-R** | 250 | 35 | 10,000 | 2.400 | 0.890 | 750 | X | | X |
| **GMD-375-R** | 250 | 35 | 10,000 | 1.625 | 0.890 | 650 | X | | X |
| **GMD-400-R** | 250 | 35 | 10,000 | 1.505 | 1.2 | 600 | X | | X |
| **GMD-500-R** | 250 | 35 | 10,000 | 1.0645 | 1.4 | 550 | X | | X |
| **GMD-600-R** | 250 | 35 | 10,000 | 0.948 | 3.1 | 450 | X | | X |
| **GMD-630-R** | 250 | 35 | 10,000 | 0.629 | 3.1 | 450 | X | | X |
| **GMD-750-R** | 250 | 35 | 10,000 | 0.4425 | 4.7 | 410 | X | | X |
| **GMD-800-R** | 250 | 35 | 10,000 | 0.4475 | 6.6 | 380 | X | | X |
| **GMD-1-R** | 250 | 35 | 10,000 | 0.3065 | 12 | 310 | X | X | X |
| **GMD-1.2-R** | 250 | 100 | 10,000 | 0.299 | 16 | 280 | X | X | X |
| **GMD-1.25-R** | 250 | 100 | 10,000 | 0.1995 | 16 | 245 | X | X | X |
| **GMD-1.5-R** | 250 | 100 | 10,000 | 0.158 | 25 | 240 | X | X | X |
| **GMD-1.6-R** | 250 | 100 | 10,000 | 0.124 | 27 | 220 | X | X | X |
| **GMD-2-R** | 250 | 100 | 10,000 | 0.107 | 42 | 200 | X | X | X |
| **GMD-2.5-R** | 250 | 100 | 10,000 | 0.0905 | 94 | 195 | X | X | X |
| **GMD-3-R** | 250 | 100 | 10,000 | 0.0655 | 145 | 190 | X | X | X |
| **GMD-4-R** | 250 | 200 | 10,000 | 0.048 | 300 | 190 | UR | X | |

* Interrupting ratings (Interrupting ratings for 125mA - 3A were measured at 70% - 80% power factor on AC. The interrupting ratings for 4A were measured at 100% power factor on AC)
** Typical DC Cold Resistance (measured at <10% of rated current)
† Typical Melting I²t (I²t was measured at listed interrupting rating and rated voltage)
‡ Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current)

## Time-Current Curve




| Packaging Code | |
|---|---|
| **Packaging Prefix** | **Description** |
| **BK** | 100 fuses packed into a cardboard carton |
| **BK1** | 1,000 fuses packed into a poly bag |
| **TR2** | 1,500 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 endcaps |

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