

# Fast Acting Glass Fuses MCF05G Series



RoHS  
Compliant



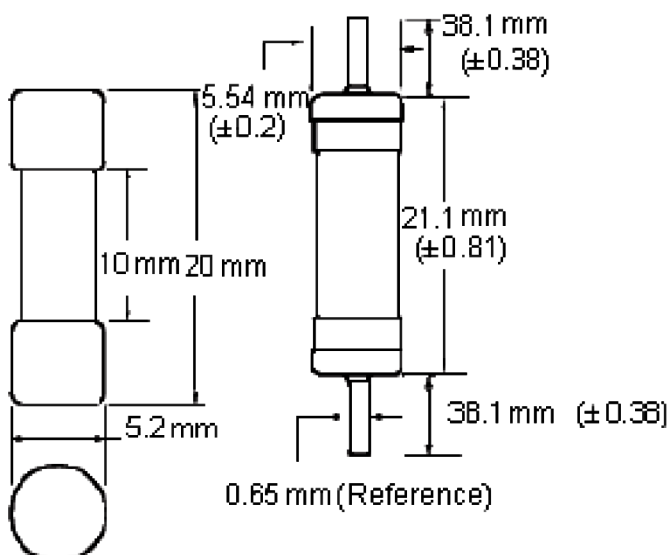
## Features:

- Fast acting, low breaking capacity
- 5 × 20 mm physical size
- Glass tube, nickel-plated brass endcap construction
- Optional axial leads are 0.032 × 1.5 inches copper tinned
- Designed to IEC 60127-2 (32mA - 6.3 A)

## Electrical Characteristics:

| In            | 1.5 In    | 2.1 In | 2.75 In   |      | 4 In      |      | 10 In     |
|---------------|-----------|--------|-----------|------|-----------|------|-----------|
|               | Min.      | Max.   | Min.      | Max. | Min.      | Max. | Max.      |
|               | (Seconds) |        | (Seconds) |      | (Seconds) |      | (Seconds) |
| 32mA to 100mA | 3,600     | 1,800  | 0.01      | 0.5  | 0.003     | 0.1  | 0.02      |
| 125mA to 6.3A |           |        | 0.05      | 2    | 0.01      | 0.3  |           |

## Diagram:



Ratings above 6.3 A have a 0.8 mm diameter lead

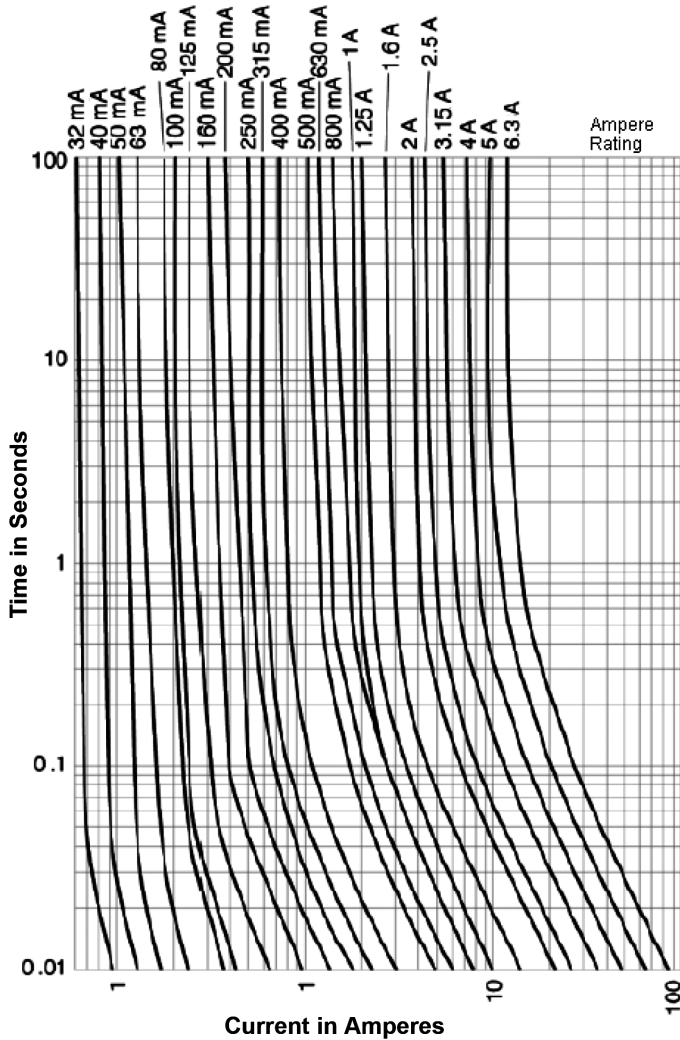


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## MCF05G Series



Time - Current Characteristics Curve - Average Melt



Part Number Table

| Voltage Rating (V AC) | Interrupting Rating at Rated Voltage (50 Hz) AC (Amperes) | Typical DC Cold Resistance ( $\Omega$ )* | Typical Melting $I^2t$ ( $A^2Sec$ ) AC** | Typical Voltage Drop (mV)*** | Part Number  |
|-----------------------|-----------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------|--------------|
| 250                   | 3                                                         | 0.098                                    | 0.84                                     | 200                          | MCF05G-1.25A |
|                       |                                                           | 2.9                                      | 0.005                                    | 1,000                        | MCF05G-125MA |
|                       |                                                           | 9.2                                      | 0.008                                    | 2,000                        | MCF05G-160MA |
|                       |                                                           | 7                                        | 0.016                                    | 1,700                        | MCF05G-200MA |
|                       |                                                           | 4.5                                      | 0.28                                     | 1,400                        | MCF05G-250MA |



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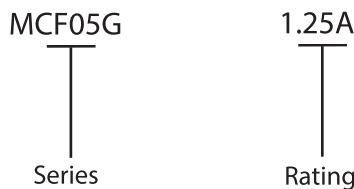
| Voltage Rating (V AC) | Interrupting Rating at Rated Voltage (50 Hz) AC (Amperes) | Typical DC Cold Resistance ( $\Omega$ )* | Typical Melting $I^2t$ ( $A^2Sec$ ) AC** | Typical Voltage Drop (mV)*** | Part Number  |
|-----------------------|-----------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------|--------------|
| 250                   | 3                                                         | 3.2                                      | 0.58                                     | 1,300                        | MCF05G-315MA |
|                       |                                                           | 1.9                                      | 0.18                                     | 1,100                        | MCF05G-400MA |
|                       |                                                           | 0.27                                     |                                          | 220                          | MCF05G-500MA |
|                       |                                                           | 0.21                                     | 0.35                                     |                              | MCF05G-630MA |
|                       |                                                           | 3.9                                      | 0.003                                    | 1,100                        | MCF05G-100MA |
|                       |                                                           | 0.068                                    | 1.6                                      | 190                          | MCF05G-1.6A  |
|                       |                                                           | 0.044                                    | 4.2                                      | 150                          | MCF05G-2A    |
|                       |                                                           | 0.026                                    | 13                                       |                              | MCF05G-3.15A |
|                       |                                                           | 0.022                                    | 22                                       | 130                          | MCF05G-4A    |
|                       |                                                           | 0.015                                    | 42                                       | 120                          | MCF05G-5A    |
|                       |                                                           | 0.15                                     | 0.67                                     | 190                          | MCF05G-800MA |

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

\*\* Typical Melting  $I^2t$  ( $I^2t$  was measured at listed interrupting rating and rated voltage)

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

### Part Number Explanation:



**Rating** : 100mA, 125mA, 160mA, 200mA, 250mA, 315mA, 400mA, 500mA, 630mA, 800mA, 1A, 1.25A, 1.6A, 2A, 2.5A, 3.15A, 4A, 5A, 6.3A, 8A and 10A

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