# 5 × 20mm Fuses Glass Tube





RoHS Compliant

#### **Features**

- Time-delay, low breaking capacity
- · Optional axial leads available
- 5 × 20mm physical size
- · Glass tube, nickel-plated brass end cap construction
- Designed to IEC 60127-2/3 (32mA to 10A) and extensions: 12.5A to 15A
- Operating Temperature: -40°C to +125°C

MCF06G Electrical Characteristics							
2.1 l <sub>n</sub> 2.75 l <sub>n</sub>		5 I <sub>n</sub>	4 I <sub>n</sub>		10 I <sub>n</sub>		
'n	Max.	Min.	Max.	Min.	Max.	Min.	Max.
32mA - 100mA		200ms		40ms		10ms	
125mA - 6.3A	2 min.	600ma	10s	150ms	3s	20ms	300ms
8A - 15A		600ms					

## **Specification Table**

Part Number	Voltage Rating V AC	Interrupting Rating (Amperes) at Rated Voltage (50 Hz) V AC	Typical DC Cold Resistance (W)*	Typical Melting I <sup>2</sup> t (Amperes)	Typical Voltage Drop (mV)‡
MCF06G-32MA	250	35	21	0.0051	1050
MCF06G-40MA	250	35	13.9	0.0072	920
MCF06G-50MA	250	35	9.24	0.0095	800
MCF06G-63MA	250	35	6.96	0.021	760
MCF06G-80MA	250	35	4.42	0.038	580
MCF06G-100MA	250	35	2.8	0.045	490
MCF06G-125MA	250	35	1.97	0.063	390
MCF06G-160MA	250	35	1.27	0.093	320
MCF06G-200MA	250	35	1	0.114	340
MCF06G-250MA	250	35	0.64	0.265	270
MCF06G-315MA	250	35	0.45	0.621	250
MCF06G-400MA	250	35	0.31	0.872	210
MCF06G-500MA	250	35	0.183	0.827	140
MCF06G-630MA	250	35	0.186	1.33	150
MCF06G-800MA	250	35	0.129	2.78	75
MCF06G-1A	250	35	0.0757	6.45	87.5
MCF06G-1.25A	250	35	0.06	10.05	86
MCF06G-1.6A	250	35	0.0425	21.7	82

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Part Number	Voltage Rating V AC	Interrupting Rating (Amperes) at Rated Voltage (50 Hz) V AC	Typical DC Cold Resistance (W)*	Typical Melting I <sup>2</sup> t (Amperes)	Typical Voltage Drop (mV)‡
MCF06G-2A	250	35	0.03325	31.6	77
MCF06G-2.5A	250	35	0.0255	59.4	72.5
MCF06G-3.15A	250	35	0.0185	96.4	68.5
MCF06G-4A	250	40	0.0139	71.8	67
MCF06G-5A	250	50	0.00985	142.5	60.5
MCF06G-6.3A	250	63	0.0071	237.6	54
MCF06G-10A	250	100	0.005	450	54

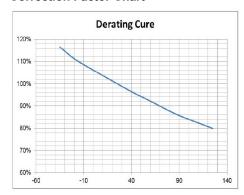
<sup>\*</sup> DC cold resistance (measured at <10% of rated current).

### **Temperature Derating Curve**

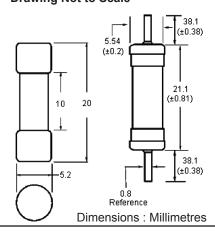
Normal Operating Temperature: 25°C ±2°C

Operating Temperature: -40°C to 125°C with proper correction factor applied

#### **Correction Factor Chart**



### **Drawing Not to Scale**



Ratings above 4A have a 0.81mm diameter lead

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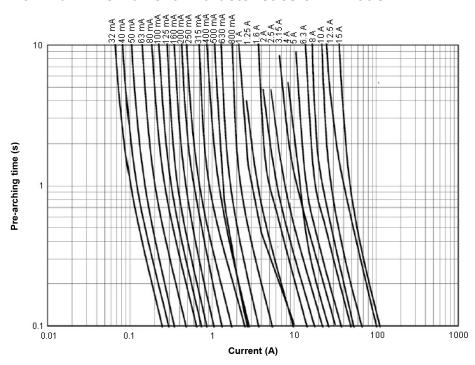


<sup>‡</sup> Typical voltage drop (voltage drop was measured at 20°C ambient temperature at rated current).

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#### Nominal Time-Current Characteristics of MCF06G-R



#### **Part Number Table**

Description	Part Number		
Fuse, Antisurge, Glass, 1.25A	MCF06G-1.25A		
Fuse, Antisurge, Glass, 1.6A	MCF06G-1.6A		
Fuse, Antisurge, Glass, 100mA	MCF06G-100MA		
Fuse, Antisurge, Glass, 10A	MCF06G-10A		
Fuse, Antisurge, Glass, 125mA	MCF06G-125MA		
Fuse, Antisurge, Glass, 160mA	MCF06G-160MA		
Fuse, Antisurge, Glass, 1A	MCF06G-1A		
Fuse, Antisurge, Glass, 2.5A	MCF06G-2.5A		
Fuse, Antisurge, Glass, 200mA	MCF06G-200MA		
Fuse, Antisurge, Glass, 250mA	MCF06G-250MA		
Fuse, Antisurge, Glass, 2A	MCF06G-2A		
Fuse, Antisurge, Glass, 3.15A	MCF06G-3.15A		
Fuse, Antisurge, Glass, 315mA	MCF06G-315MA		

Description	Part Number		
Fuse, Antisurge, Glass, 32mA	MCF06G-32MA		
Fuse, Antisurge, Glass, 400mA	MCF06G-400MA		
Fuse, Antisurge, Glass, 40mA	MCF06G-40MA		
Fuse, Antisurge, Glass, 4A	MCF06G-4A		
Fuse, Antisurge, Glass, 500mA	MCF06G-500MA		
Fuse, Antisurge, Glass, 50mA	MCF06G-50MA		
Fuse, Antisurge, Glass, 5A	MCF06G-5A		
Fuse, Antisurge, Glass, 6.3A	MCF06G-6.3A		
Fuse, Antisurge, Glass, 630mA	MCF06G-630MA		
Fuse, Antisurge, Glass, 63mA	MCF06G-63MA		
Fuse, Antisurge, Glass, 800mA	MCF06G-800MA		
Fuse, Antisurge, Glass, 80mA	MCF06G-80MA		

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