



THE DATASHEET OF FCM-100MA



Type FCM

Fast Acting Surface Mount Fuse

Square Ceramic



www.optifuse.com (619) 593-5050

Agency Standards and Listings:

| | | | |
|----------|--------|--------|-----------|
| | | | |
| 100mA~5A | 6A~15A | 1A~15A | 100mA~10A |

Interrupt Ratings:

100mA~8A: 50A @ 125V AC/DV
 300A @ 32V DC

10A: 35A @ 125V AC
 50A @ 125V AC/DC
 300A @ 32V DC

12A: 50A @ 65V AC/DC
 300A @ 24V DC

Environmental Specifications:

Operating Temperature:

-55° C to +125° C

Vibration:

MIL-STD-202G, Method 201, (10-55 Hz,
 0.06 inch total excursion)

Salt Spray:

MIL-STD-202G, Method 101, Test Condition B
 (48 Hrs)

Insulation Resistance:

MIL-STD-202G, Method 302, Test Condition A

Resistance to Solder Heat:

MIL-STD-202G, Method 210, Test Condition B
 (10 Sec, at 260°C)

Thermal Shock:

MIL-STD-202G, Method 107, Test Condition B
 (-65°C to + 125°C)

Physical Specifications:

Materials:

Body: Ceramic

Terminations: Silver Plated Brass Caps

Packaging:

1,000 Fuses on 7 inch dia. Reel.

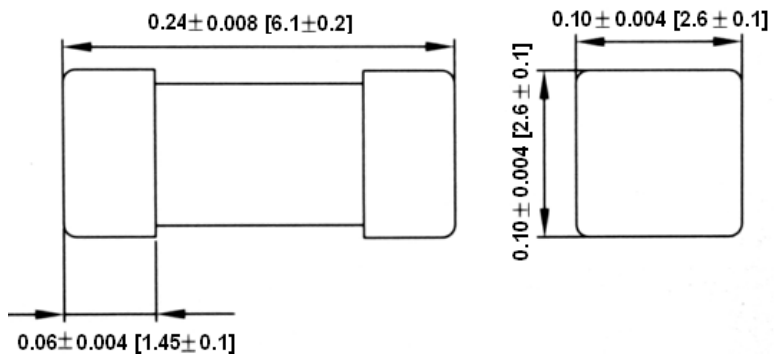
12mm wide tape, per EIA Standard 481.

| OptiFuse Part Number | Ampere Rating |
|----------------------|---------------|
| FCM-100mA | 100mA |
| FCM-125mA | 125mA |
| FCM-200mA | 200mA |
| FCM-250mA | 250mA |
| FCM-300mA | 300mA |
| FCM-375mA | 375mA |
| FCM-400mA | 400mA |
| FCM-500mA | 500mA |
| FCM-700mA | 700mA |
| FCM-750mA | 750mA |
| FCM-1A | 1A |
| FCM-1.5A | 1.5A |
| FCM-2A | 2A |
| FCM-2.5A | 2.5A |
| FCM-3A | 3A |
| FCM-3.15A | 3.15A |
| FCM-3.5A | 3.5A |
| FCM-4A | 4A |
| FCM-5A | 5A |
| FCM-7A | 7A |
| FCM-8A | 8A |
| FCM-10A | 10A |
| FCM-12A | 12A |
| FCM-15A | 15A |

Electrical Characteristics:

| Rated Current | 100% | 200% |
|---------------|------|--------|
| | MIN | MAX |
| 100mA~10A | 4hrs | 5 sec |
| 12A~15A | 4hrs | 60 sec |

Mechanical Dimensions: Inches [mm]



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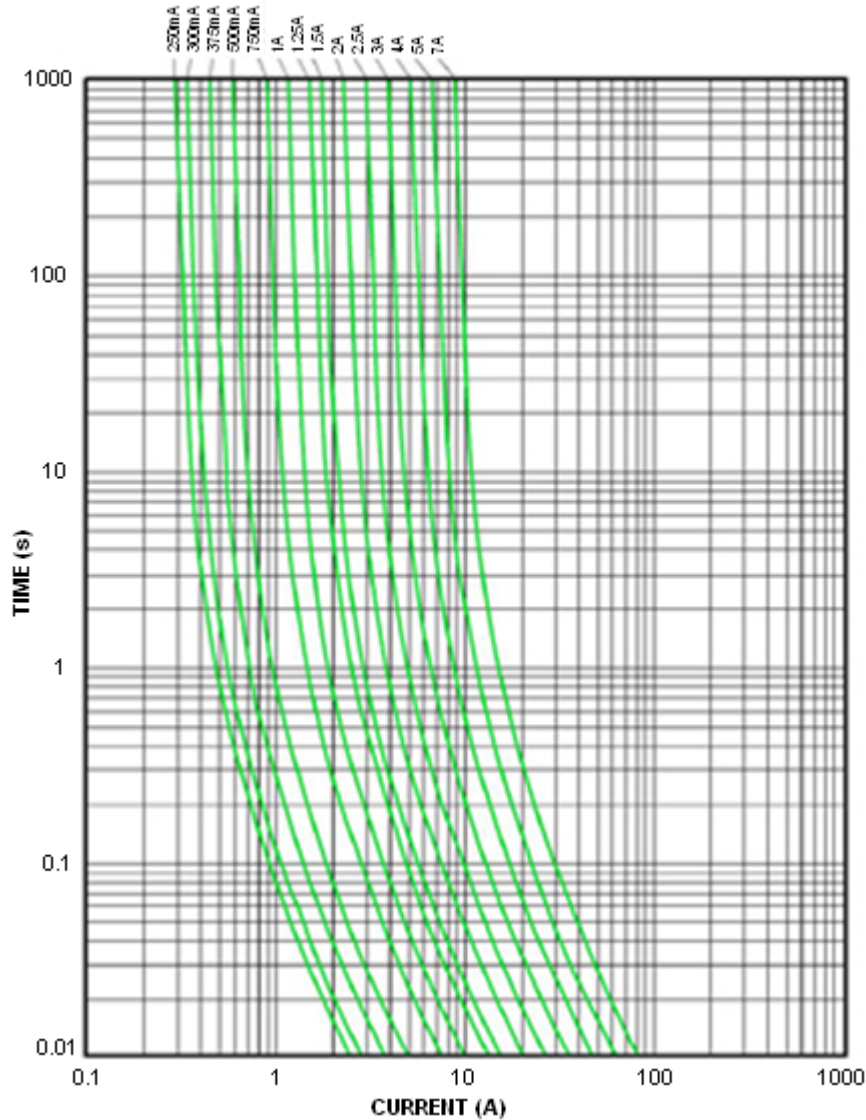



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Part Number FCM

TIME CURRENT CURVES



| | |
|--|---|
| <p>Warning:</p>  | <ul style="list-style-type: none"> -Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame. -Glass Fuse device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated. -Avoid contact of Glass Fuse device with chemical solvent. Prolonged contact will damage the device performance. |
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Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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 [OptiFuse Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management