

# 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

#### 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.

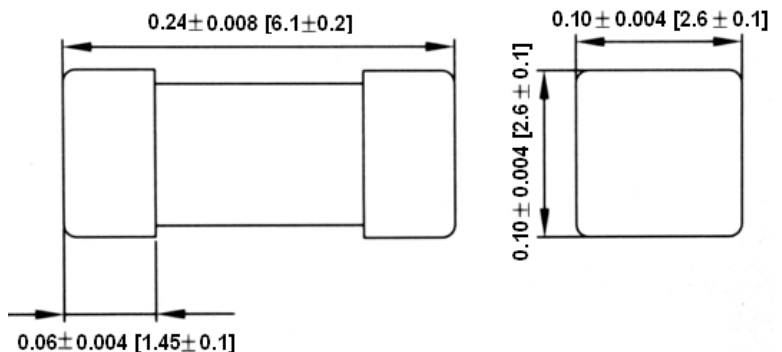
12mm wide tape, per EIA Standard 481.

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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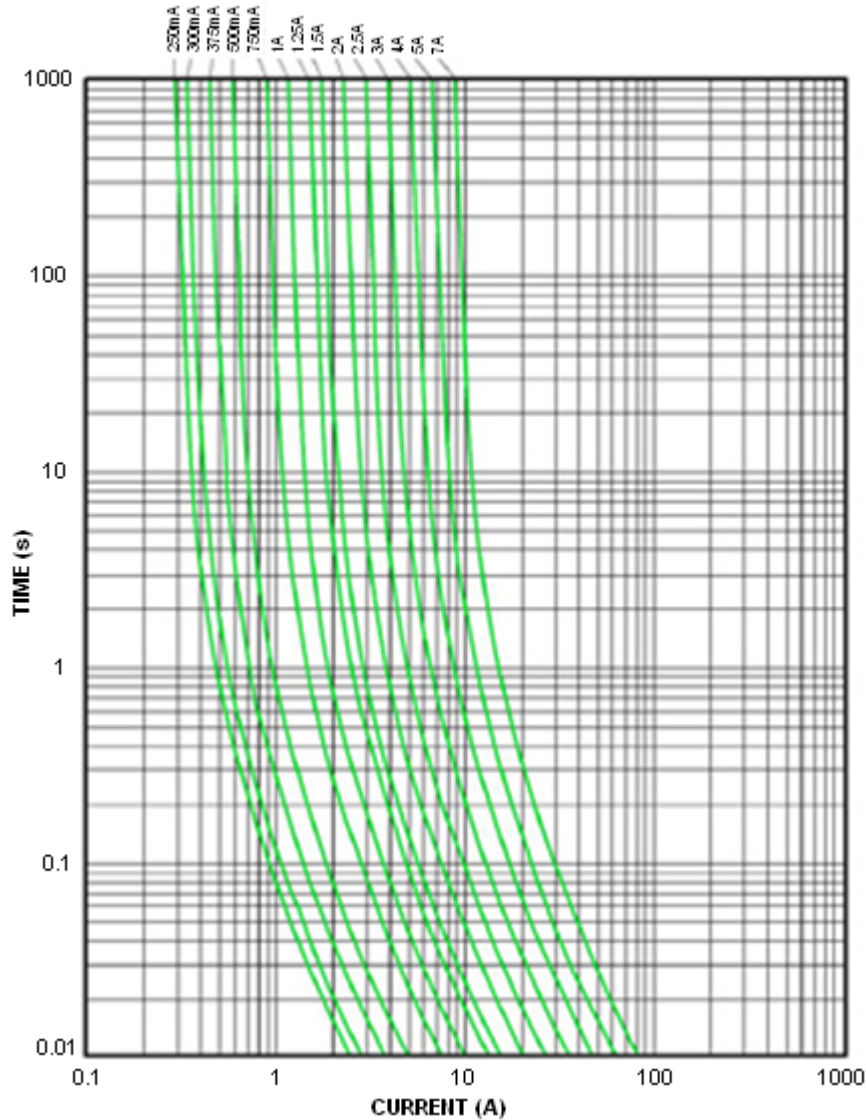



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**Part Number FCM**

TIME CURRENT CURVES



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