

# Type FCD

## Fast Acting High Breaking Capacity

### 5 x 20 mm Ceramic Fuse



www.optifuse.com (619) 593-5050

#### Agency Standards and Listings:



#### Interrupt Ratings:

250mA ~ 16A 1,500A at 250V AC (All)  
 250mA ~ 16A 1,000A at 250V DC UL  
 FCD-6.3A-UL: 250mA ~ 6.3A 10,000A at 250V AC UL  
 \*FCD-6.3A not UL approved at 10,000A at 250V AC UL

#### Time Characteristics

Rated Current	210%		275%		400%		1000%
	MAX	MIN	MAX	MIN	MAX	MAX	
250mA~4A	30 min	10 ms	2 sec	3 ms	300 ms	20 ms	
5A~6.3A	30 min	10 ms	3 sec	3 ms	300 ms	20 ms	
8A~10A	30 min	40 ms	20 sec	10 ms	1 sec	30 ms	
>10A	30 min	40 ms	20 sec	10 ms	1 sec	40 ms	

Cartridge Part number	Axial Lead Part number	Amper e Rating	Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec	Voltage Rating							CCC	CQC	SEMKO	VDE	UR/CUR	BSI	PSE	KC
				CCC	CQC	SEMKO	VDE	UR/CUR	BSI	PSE								
FCD-250mA	FCD-P-250mA	250mA	0.0040	*	*	*	*	*	*	*							*	
FCD-315mA	FCD-P-315mA	315mA	0.0142	*	*	*	*	*	*	*							*	
FCD-400mA	FCD-P-400mA	400mA	0.0200	*	*	*	*	*	*	*							*	
FCD-500mA	FCD-P-500mA	500mA	0.0309	*	*	*	*	*	*	*							*	
FCD-630mA	FCD-P-630mA	630mA	0.0672	*	*	*	*	*	*	*							*	
FCD-800mA	FCD-P-800mA	800mA	0.1210	*	*	*	*	*	*	*							*	
FCD-1A	FCD-P-1A	1A	0.2019	*	*	*	*	*	*	*							*	
FCD-1.25A	FCD-P-1.25A	1.25A	0.4489	*	*	*	*	*	*	*							*	
FCD-1.6A	FCD-P-1.6A	1.6A	1.243	*	*	*	*	*	*	*							*	
FCD-2A	FCD-P-2A	2A	2.204	*	*	*	*	*	*	*							*	
FCD-2.5A	FCD-P-2.5A	2.5A	1.995	*	*	*	*	*	*	*							*	
FCD-3.15A	FCD-P-3.15A	3.15A	4.271	*	*	*	*	*	*	*							*	
FCD-4A	FCD-P-4A	4A	12.22	*	*	*	*	*	*	*							*	
FCD-5A	FCD-P-5A	5A	24.20	*	*	*	*	*	*	*							*	
FCD-8A	FCD-P-8A	8A	102.2	*	*	*	*	*	*	*							*	
FCD-10A	FCD-P-10A	10A	204.7	*	*	*	*	*	*	*							*	
FCD-12 A	FCD-P-12A	12A	360.5			*	*	*	*	*							*	
FCD-12.5A	FCD-P-12.5A	12.5A	407.6			*	*	*	*	*							*	
FCD-15A	FCD-P-15A	15A	602.5			*	*	*	*	*							*	
FCD-16A	FCD-P-16A	16A	642.7			*	*	*	*	*							*	

250V

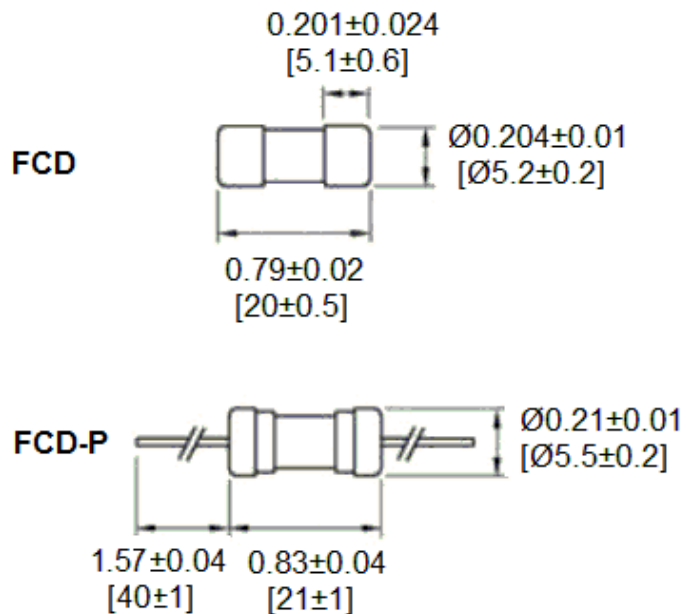
#### Operating Temperature:

-55°C to +125°C

#### Material:

Ceramic Body/Nickel Plated Brass Caps  
 Lead Wire Ø0.65mm Diameter – 8A and less.  
 Ø0.8mm Diameter – 8a~ 12A.  
 Ø1.0mm Diameter – over 12A.

#### Mechanical Dimensions: Inches [mm]

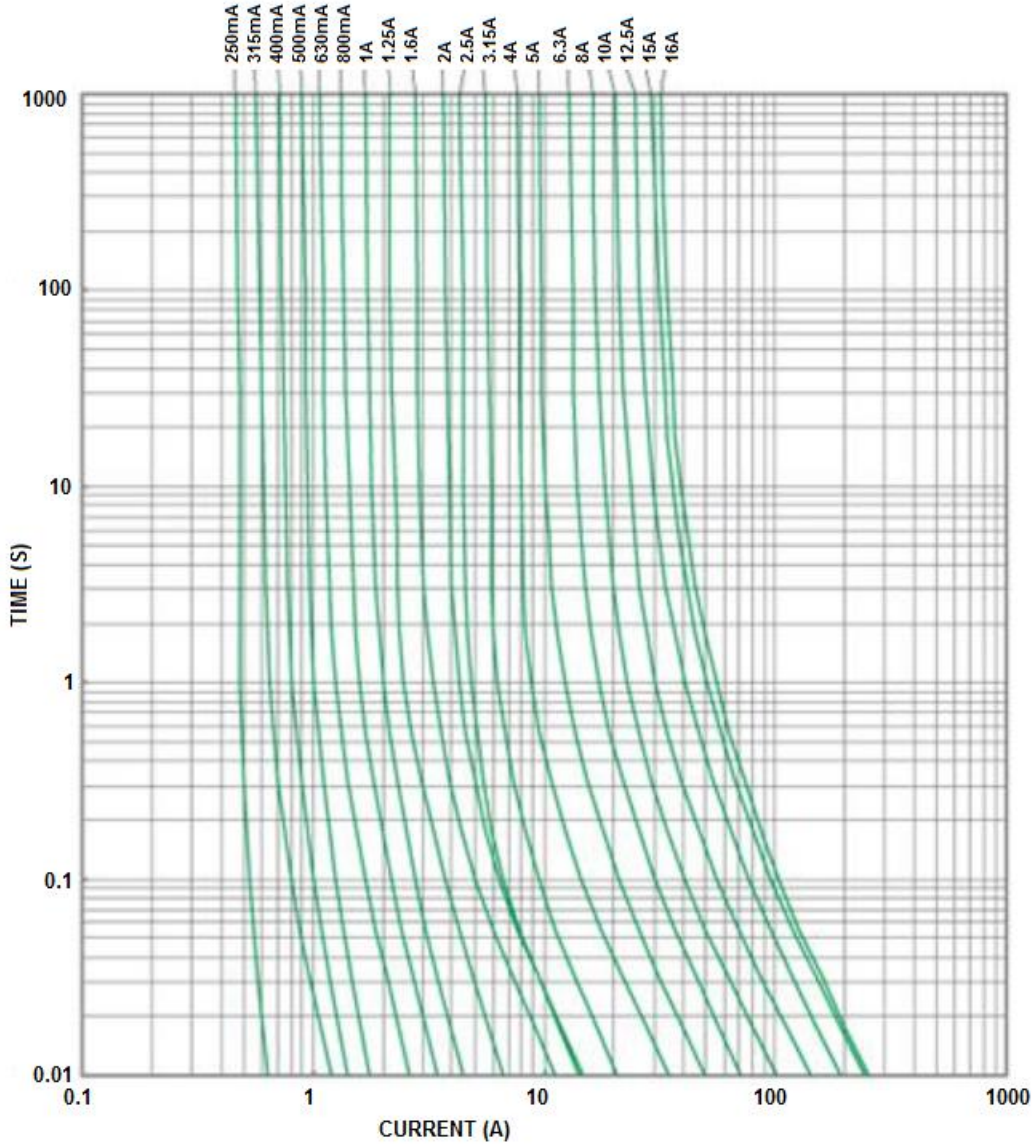



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**Fast Acting High Breaking Capacity**  
**5 x 20 mm Ceramic Fuse**



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**Part Number FCD**  
**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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