

# Type FSD

## Fast Acting Glass Tube Fuse

### 5 x 20 mm



www.optifuse.com (619) 593-5050

#### Agency Standards and Listings:



#### Interrupt Ratings:

35A or 10In whichever is greater (125mA-16A)  
@ 250V AC

#### Time Characteristics

Rated Current	210%		275%		400%		1000%
	MAX	MIN	MAX	MIN	MAX	MAX	
125mA ~100mA	30 min	10 ms	500 ms	3 ms	100 ms	20 ms	
125mA~6.3A	30 min	50 ms	2 sec	10 ms	300 ms	20 ms	
8A~10A	30 min	50 ms	2 sec	10 ms	400 ms	40 ms	
12A~16A	30 min	50 ms	3 sec	10 ms	400 ms	50 ms	
>16A	30 min	100 ms	6 sec	20 ms	600 ms	60 ms	

#### Operating Temperature:

-55°C to +125°C

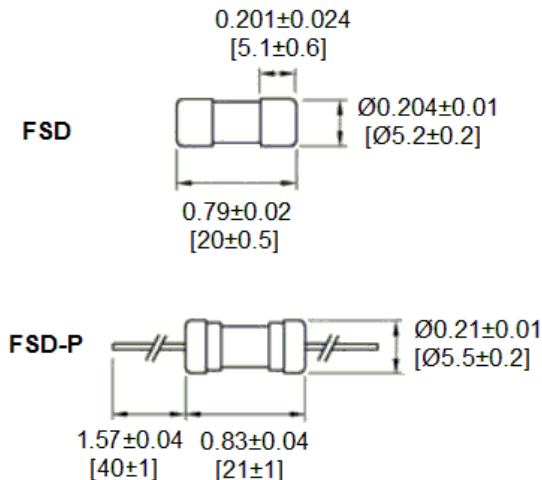
#### Material:

Glass Body/Nickel Plated Brass Caps  
Lead Wire Ø0.65mm Diameter – 8A and less  
Ø0.8mm Diameter – 8A ~ 15A  
Ø1.0mm Diameter – over 15A

Cartridge Part number	Axial Lead Part number	Ampere Rating	Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec	Voltage Rating									
				CCC	CQC	SEMKO	VDE	BSI	PSE	KC	IMQ		
FSD-125mA	FSD-P-125mA	125mA	0.0085										
FSD-160mA	FSD-P-160mA	160mA	0.0099										
FSD-200mA	FSD-P-200mA	200mA	0.0256	•		•	•	•			•	•	
FSD-250mA	FSD-P-250mA	250mA	0.0272	•		•	•	•			•	•	
FSD-315mA	FSD-P-315mA	315mA	0.0820	•		•	•	•			•	•	
FSD-400mA	FSD-P-400mA	400mA	0.1224	•		•	•	•			•	•	
FSD-500mA	FSD-P-500mA	500mA	0.2050	•		•	•	•			•	•	
FSD-630mA	FSD-P-630mA	630mA	0.5505	•		•	•	•			•	•	
FSD-750mA	FSD-P-750mA	750mA	0.7780										
FSD-800mA	FSD-P-800mA	800mA	0.5747	•		•	•	•			•	•	
FSD-1A	FSD-P-1A	1A	1.240	•		•	•	•	•	•	•	•	
FSD-1.25A	FSD-P-1.25A	1.25A	1.810	•		•	•	•	•	•	•	•	
FSD-1.6A	FSD-P-1.6A	1.6A	3.200	•		•	•	•	•	•	•	•	
FSD-2A	FSD-P-2A	2A	7.256	•		•	•	•	•	•	•	•	
FSD-2.5A	FSD-P-2.5A	2.5A	13.69	•		•	•	•	•	•	•	•	
FSD-3.15A	FSD-P-3.15A	3.15A	22.33	•		•	•	•	•	•	•	•	
FSD-4A	FSD-P-4A	4A	35.19	•		•	•	•	•	•	•	•	
FSD-5A	FSD-P-5A	5A	58.83	•		•	•	•	•	•	•	•	
FSD-6.3A	FSD-P-6.3A	6.3A	104.6	•		•	•	•	•	•	•	•	
FSD-8A	FSD-P-8A	8A	185.6		•	•	•				•	•	
FSD-10A	FSD-P-10A	10A	244.4		•	•	•				•	•	
FSD-12 A	FSD-P-12A	12A	428.5								•		
FSD-12.5A	FSD-P-12.5A	12.5A	473.1		•	•	•				•		
FSD-15A	FSD-P-15A	15A	838.8								•		
FSD-16A	FSD-P-16A	16A	894.7		•	•	•						
FSD-20A	FSD-P-20A	20A	1877										

250V

#### Mechanical Dimensions: Inches [mm]



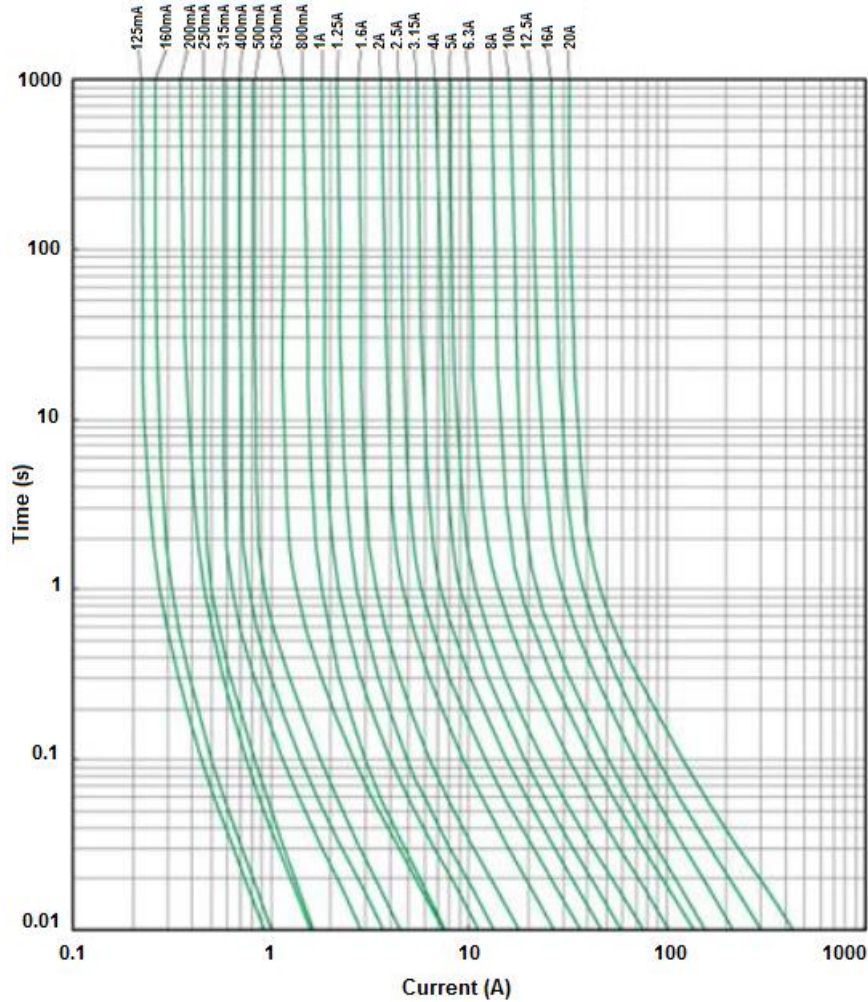
Note: All specifications subject to change without notice.


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**Fast Acting Glass Tube Fuse**  
**5 x 20 mm**



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**Part Number FSD**  
**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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