

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

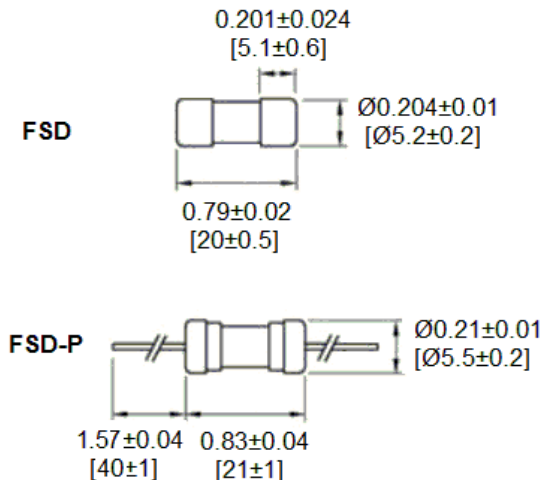
Material:

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 ² t A ² 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]



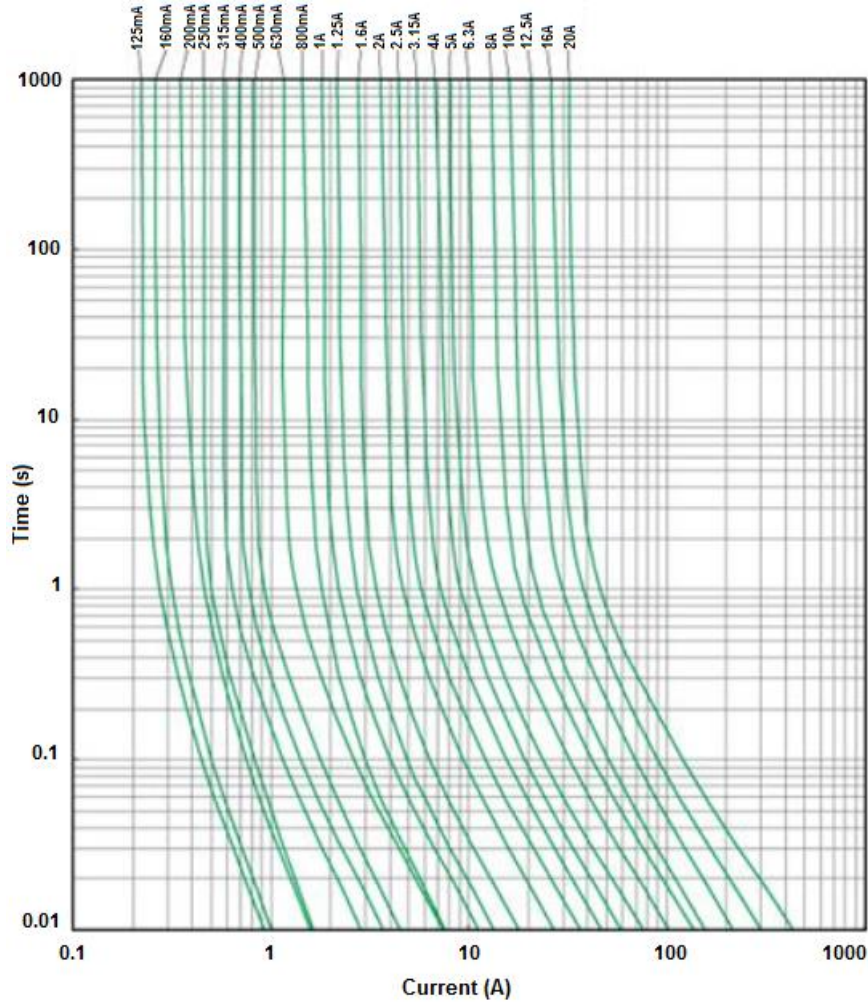
Note: All specifications subject to change without notice.


Type FSD
Fast Acting Glass Tube Fuse
5 x 20 mm



www.optifuse.com (619) 593-5050

Part Number FSD
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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