Littelfuse
Expertise Applied | Answers Delivered

Solar Rated Midget Fuse

SPF Series 1000VDC Solar Fuse



The SPF Solar Protection Fuse series has been specifically designed for photovoltaic (PV) systems. This family of midget fuses (10x38mm) can safely protect PV modules and their conductors from reverse overcurrent conditions despite the associated challenges of DC power.

As PV systems have grown in size, so have the corresponding voltage requirements. This increase in system voltage has typically been intended to minimize power loss associated with long conductor runs. With design voltages growing upwards of 1000VDC, standard midget fuses simply cannot handle this power. However, the SPF series is UL Recognized to safely interrupt circuits up to this demanding voltage level.

Littelfuse offers thirteen ampere ratings to match Designers' specific requirements in applications including combiner boxes, inverters and battery charge controllers. For more information, please visit **www.littelfuse.com/green**

Product Features

- UL Recognized 1000VDC maximum
- 13 ampere ratings for flexible design
- 20,000 kA interrupting rating
- High performance in compact midget size
- RoHS compliant and lead free
- Touch safe DIN rail holder available
- PCB leaded version available

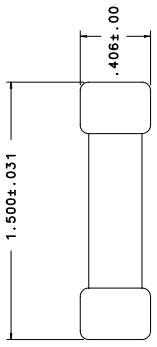
Specifications

Voltage Rating:	1000 VDC
Amperage Ratings:	1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 25, 30
Max. Interrupt Rating:	20,000 amperes; L/R < 2mS
Min. Interrupt Rating:	1-12 amperes, 2 X I_{rating} 15-30 amperes, 1.35 X I_{rating}
Approval:	UL Rec. File No. E10480
Fuseholder:	LPHV series Self certified 1000VDC

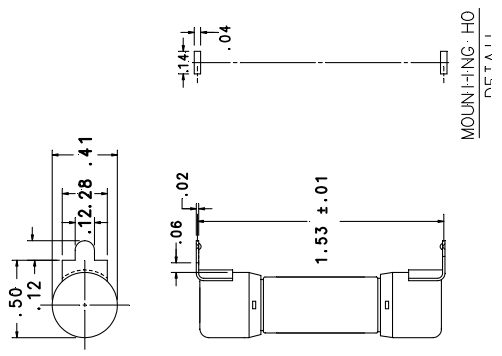
Part Number Examples:

SPF002	(2 amp)
SPF030	(30 amp)
SPF030R	(30 amp with PCB tabs)

Dimensions [inches]



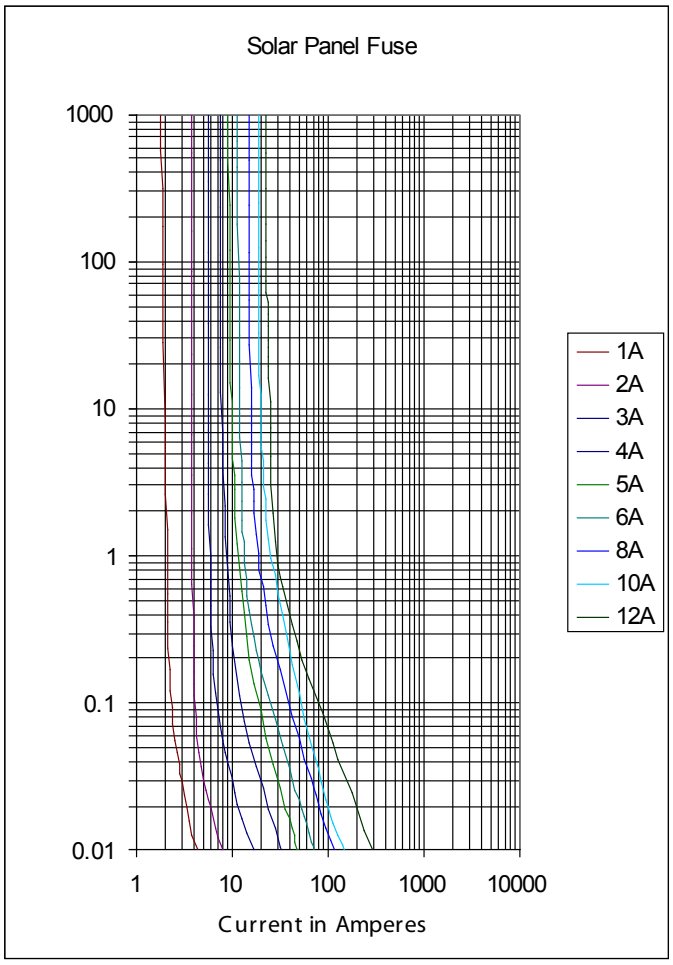
PCB Version Dimensions [inches]

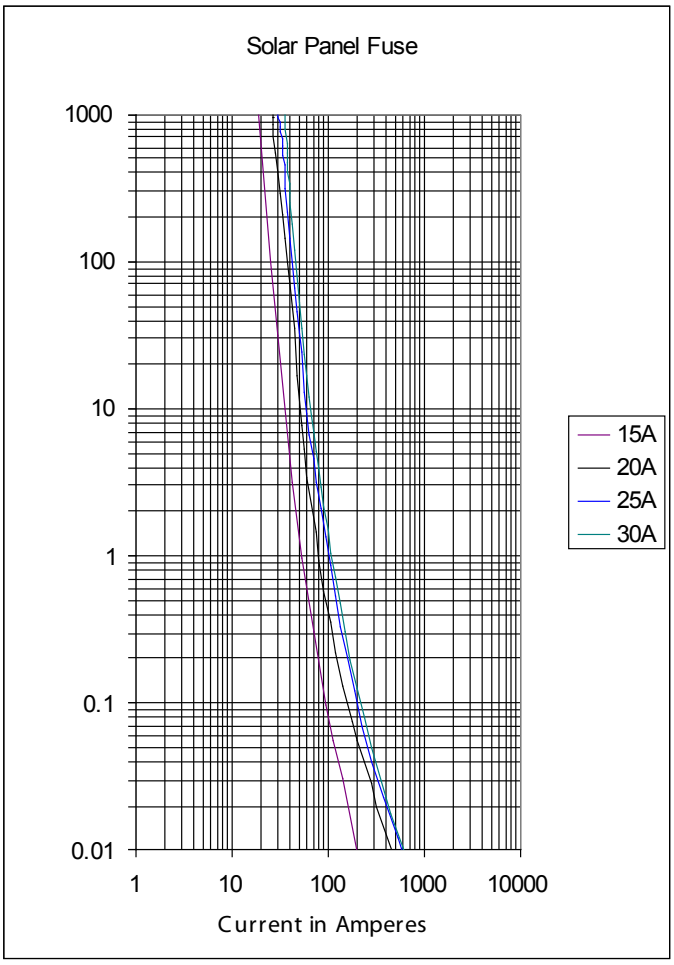


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Solar Rated Midget Fuse

Time Current Opening Characteristics





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