

## SEMIFUSE® SFR16P Series PTC Re-settable Fuses

The SFR16P series provides non-cycling protection for 16V circuits on electronic equipment for short-circuit currents up to 100A. This makes it suitable for automotive and large battery applications.

### Characteristics

### Agency Approvals; UL, CSA and TÜV

Part #	I <sub>hold</sub> (A)	I <sub>trip</sub> (A)	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	P <sub>d</sub> <sup>max</sup> (W)	Maximum Time to Trip @ 23°C		Resistance @ 23°C		Maximum Dimension (mm)		
						Current (A)	Time (Sec.)	R <sub>min</sub> (Ω)	R <sub>I<sub>max</sub></sub> (Ω)	A (max.)	B (max.)	C (typ.)
SFR16P0250GF	2.50	4.7	16	100	1.0	12.5	5.0	0.0220	0.0530	8.4	12.8	5.1
SFR16P0300GF	3.00	5.1	16	100	2.3	15.0	1.0	0.0380	0.0975	7.1	11.0	5.1
SFR16P0400GF	4.00	6.8	16	100	2.4	20.0	1.7	0.0210	0.0600	8.9	12.8	5.1
SFR16P0500GF	5.00	8.5	16	100	2.6	25.0	2.0	0.0150	0.0340	10.4	14.3	5.1
SFR16P0600GF	6.00	10.2	16	100	2.8	30.0	3.3	0.0100	0.0280	10.7	17.1	5.1
SFR16P0700GF	7.00	11.9	16	100	3.0	35.0	3.5	0.0077	0.0200	11.2	19.7	5.1
SFR16P0800GF	8.00	13.6	16	100	3.0	40.0	5.0	0.0056	0.0175	12.7	20.9	5.1
SFR16P0900GF	9.00	15.3	16	100	3.3	45.0	5.5	0.0047	0.0135	14.0	21.7	5.1
SFR16P1000GF	10.0	17.0	16	100	3.6	50.0	6.0	0.0040	0.0102	16.5	25.2	5.1
SFR16P1100GF	11.0	18.7	16	100	3.7	55.0	7.0	0.0037	0.0089	17.5	26.0	5.1
SFR16P1200GF	12.0	20.4	16	100	4.2	60.0	7.5	0.0033	0.0086	17.5	28.0	10.2
SFR16P1400GF	14.0	23.8	16	100	4.6	70.0	9.0	0.0026	0.0064	23.5	27.9	10.2

### Definitions

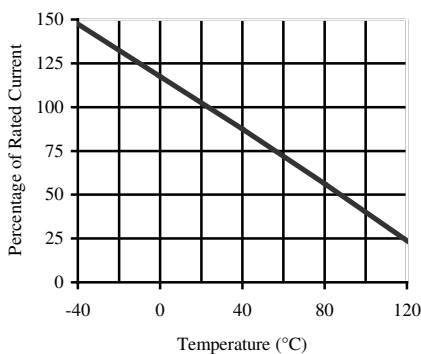
I<sub>hold</sub> = Hold Current, maximum current device will pass without tripping in 23°C still air.

I<sub>trip</sub> = Trip Current, minimum current at which the device will trip in 23°C still air.

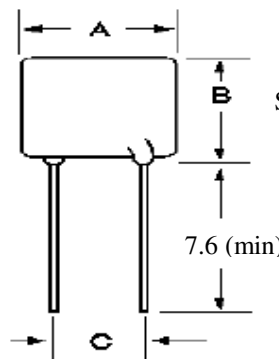
V<sub>max</sub> = Maximum Voltage device can withstand without damage at rated current (I<sub>max</sub>)

I<sub>max</sub> = Maximum fault current device can withstand without damage at rated voltage (V<sub>max</sub>)

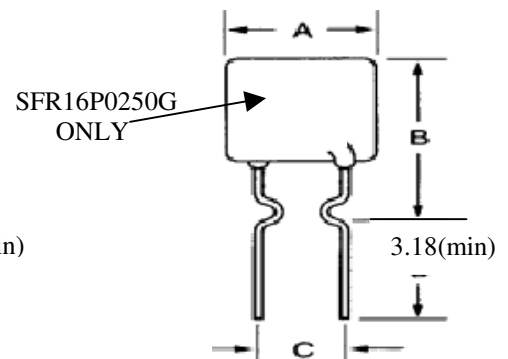
### Thermal derating curve



### Configurations



### Dimensions – see above table



**CAUTION:** Operation beyond the specified maximum ratings may result in device damage and cause possible arcing and flame.