

## SEMIFUSE® SFR30F Series PTC Fuses

Our SFR30F series PTC re-settable fuses provide short-circuit protection in low-voltage DC circuits for short circuit currents up to 40A. Once tripped the device remains latched in a high resistance state until the fault is removed.

### Characteristics

Agency Approvals; UL, C-UL, TuV

Part #	I <sub>h</sub> (A)	I <sub>t</sub> (A)	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	P <sub>d</sub> <sup>max</sup> (W)	Maximum Time to Trip @ 5 x I <sub>h</sub>		Resistance @ 23°C		Dimensions (mm)		
						Current (A)	Time (s)	R <sub>min</sub> (Ω)	R <sub>1m</sub> (Ω)	A (Max)	B (Max)	C (Typ)
SFR30F090F	0.90	1.80	30	40	0.6	4.50	5.9	0.070	0.22	7.4	12.2	5.1
SFR30F110F	1.10	2.20	30	40	0.7	5.50	6.6	0.050	0.17	7.4	14.2	5.1
SFR30F135F	1.35	2.70	30	40	0.8	6.75	7.3	0.040	0.13	8.9	13.5	5.1
SFR30F160F	1.60	3.20	30	40	0.9	8.00	8.0	0.030	0.11	8.9	15.2	5.1
SFR30F185F	1.85	3.70	30	40	1.0	9.25	8.7	0.030	0.09	10.2	15.7	5.1
SFR30F250F	2.50	5.00	30	40	1.2	12.5	10.3	0.020	0.07	11.4	18.3	5.1
SFR30F300F	3.00	6.00	30	40	2.0	15.0	10.8	0.020	0.08	11.4	17.3	5.1
SFR30F400F	4.00	8.00	30	40	2.5	20.0	12.7	0.010	0.05	14.0	20.1	5.1
SFR30F500F	5.00	10.00	30	40	3.0	25.0	14.5	0.010	0.05	14.0	24.9	10.2
SFR30F600F	6.00	12.00	30	40	3.5	30.0	16.0	0.005	0.04	16.5	24.9	10.2
SFR30F700F	7.00	14.00	30	40	3.8	35.0	17.5	0.005	0.03	19.1	26.7	10.2
SFR30F800F	8.00	16.00	30	40	4.0	40.0	18.8	0.005	0.02	21.6	29.2	10.2
SFR30F900F	9.00	18.00	30	40	4.2	40.0	20.0	0.005	0.02	24.1	29.7	10.2

### Definitions

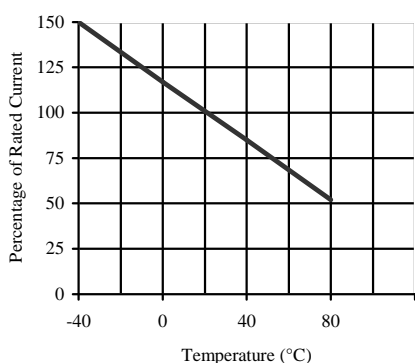
I<sub>h</sub> = Hold Current, maximum current the fuse will pass without tripping in 23°C still air.

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

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

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

### Thermal De-rating Curve



### Configuration

