

## SEMIFUSE<sup>®</sup> SFLR Series PTC Fuses

The SFLR series PTC fuse provides reliable non-cycling protection against over-charging and short-circuits. The SFLR PTCs are smaller, have lower resistance and trip faster making them ideal for the latest generation of battery designs.

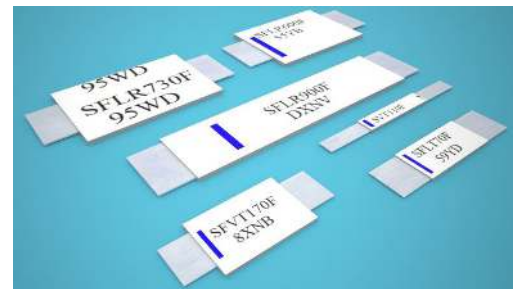
### Characteristics

Agency Approvals; UL, C-UL and TÜV

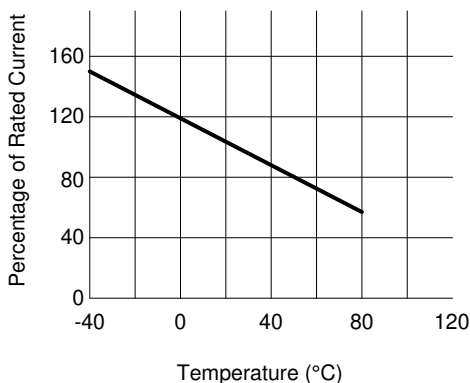
Part Number	I <sub>hold</sub> (A)	I <sub>trip</sub> (A)	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	P <sub>d</sub> <sup>max</sup> (W)	Maximum Time to Trip @ 23°C		Resistance @ 23°C		Maximum Dimension (mm)	
						Current (A)	Time (Sec.)	R <sub>min</sub> (Ω)	R <sub>1max</sub> (Ω)	A	B
SFLR190F	1.9	3.9	15	100	1.2	9.50	5.0	0.039	0.102	22.1	5.5
SFLR260F	2.6	5.8	15	100	2.5	13.0	5.0	0.020	0.063	23.1	5.5
SFLR380F	3.8	8.3	15	100	2.5	19.0	5.0	0.013	0.037	26.0	7.5
SFLR450F	4.5	8.9	20	100	2.5	22.5	5.0	0.011	0.028	26.0	10.5
SFLR550F	5.5	10.5	20	100	2.8	27.5	5.0	0.009	0.022	37.0	7.5
SFLR600F	6.0	11.7	20	100	2.8	30.0	5.0	0.007	0.019	26.0	14.5
SFLR730F	7.3	14.1	20	100	3.3	36.5	5.0	0.006	0.015	29.1	14.5
SFLR900F	9.0	16.7	20	100	3.8	45.0	5.0	0.006	0.014	47.6	8.6

### Definitions

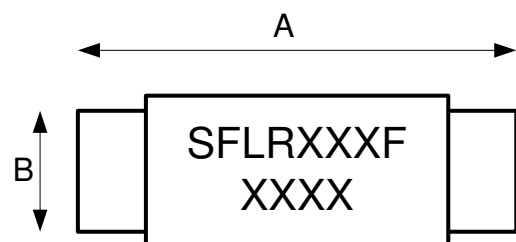
- I<sub>hold</sub> = Hold current, maximum current PTC will pass without tripping in 23°C still air.
- I<sub>trip</sub> = Trip current, minimum current at which the PTC will trip in still air at 23°C.
- V<sub>max</sub> = Maximum voltage PTC can withstand without damage at rated current (I<sub>max</sub>)
- I<sub>max</sub> = Maximum fault current PTC can withstand without damage at rated voltage (V<sub>max</sub>)



### Thermal De-Rating Curve



### Configuration



Dimensions – see above table

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