



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

Our SFLT series PTC strap fuse provides reliable non-cycling protection against over-charging and short-circuits. The SFLT PTCs switch at lower temperatures making them ideal for the latest generation of battery designs.

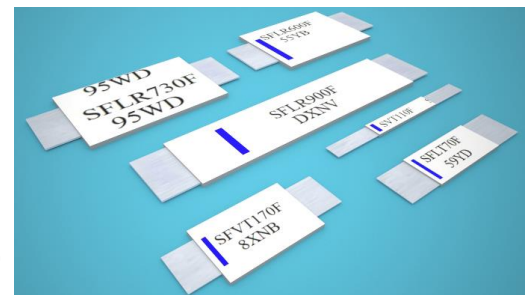
## Characteristics

Agency Approvals; UL,C-UL and TÜV

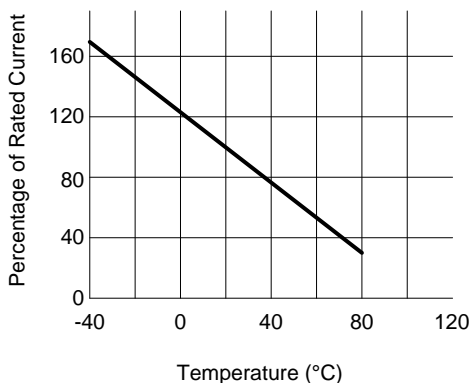
Part Number	I <sub>hold</sub> (A)	I <sub>trip</sub> (A)	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	P <sub>d</sub> <sup>max</sup> (W)	Maximum Time to Trip @ 23°C		Resistance @ 23°C		Maximum Dimension (mm)	
						Current (A)	Time (Sec.)	R <sub>min</sub> (Ω)	R <sub>1max</sub> (Ω)	A	B
SFLT070F	0.7	1.5	24	100	1.1	3.5	5.0	0.100	0.340	22.1	5.2
SFLT100F	1.0	2.5	24	100	1.5	5.0	7.0	0.070	0.260	23.1	5.2
SFLT180F	1.8	3.8	24	100	2.0	9.0	2.9	0.040	0.120	26.0	5.2
SFLT190F	1.9	4.2	24	100	1.9	10.0	3.0	0.030	0.100	23.4	11.0
SFLT260F	2.6	5.2	24	100	2.3	13.0	5.0	0.025	0.076	26.0	11.9
SFLT300F	3.0	6.3	24	100	2.0	15.0	4.0	0.015	0.055	31.8	13.5
SFLT310F	3.1	6.0	24	100	2.5	16.0	5.0	0.018	0.055	26.0	15.9
SFLT340F	3.4	6.8	24	100	2.7	17.0	5.0	0.016	0.050	26.0	15.9

## Definitions

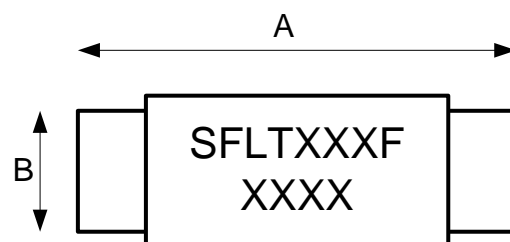
- I<sub>hold</sub> = Hold current, maximum current PTC will pass without tripping in 23°C still air.
- I<sub>trip</sub> = Trip current, minimum current at which the PTC will trip in still air at 23°C.
- V<sub>max</sub> = Maximum voltage PTC can withstand without damage at rated current (I<sub>max</sub>)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