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## SEMIFUSE® SFVT PTC Fuses

Our SFVT strap PTC fuse provides non-cycling protection against short circuits and offers the user a slim, low-profile design with low resistance. This makes the SFVT ideal for the latest generation of rechargeable batteries, both cylindrical and prismatic.

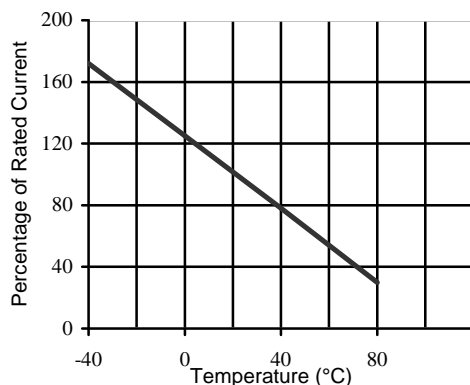
### Characteristics

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> (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
SFVT110F	1.10	2.7	16	100	0.7	5.50	1.5	0.038	0.140	25.6	2.9
SFVT170F	1.70	3.4	16	100	0.7	8.50	3.0	0.030	0.105	17.5	7.4
SFVT175F	1.75	3.6	16	100	0.8	9.00	3.0	0.029	0.102	23.0	3.7
SFVT200F	2.00	4.7	16	100	0.9	10.0	4.0	0.022	0.078	23.0	4.5
SFVT210F	2.10	4.7	16	100	1.2	10.0	5.0	0.018	0.060	23.0	5.2
SFVT240F	2.40	5.9	16	100	1.0	12.0	4.0	0.014	0.052	26.0	5.3

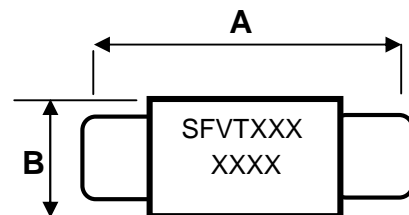
### Definitions

- I<sub>hold</sub> = Hold Current, maximum current PTC will pass without tripping in still air at 23°C.  
 I<sub>trip</sub> = Trip Current, minimum current at which the PTC fuse will trip in still air at 23°C.  
 V<sub>max</sub> = Maximum Voltage PTC 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 Derating curve



### Configuration



Dimensions – see above table