



SEMIFUSE[®] SFS0805F PTC Fuses

The SFS0805F series PTC fuse offers a surface mount solution for motherboard, computer peripheral and various electronic applications. The 0805 footprint can handle continuous currents up to 1A and voltages to 15V.

Characteristics

Agency Approvals; UL, CSA and TÜV

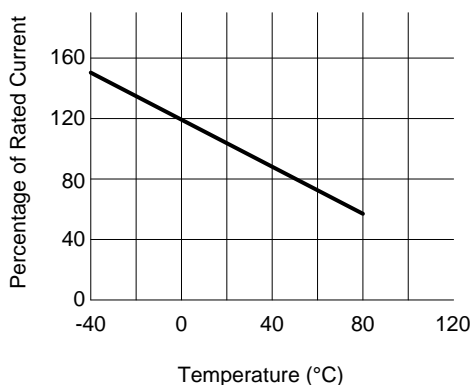
Part Number	I _{hold} (A)	I _{trip} (A)	V _{max} (Vdc)	I _{max} (A)	P _d ^{max} (W)	Maximum Time to Trip @ 23°C		Resistance @ 23°C		Maximum Dimension (mm)	
						Current (A)	Time (Sec.)	R _{min} (Ω)	R _{1max} (Ω)	A	B
SFS0805F010TF	0.10	0.30	15	100	0.5	0.50	1.50	0.700	6.000	2.30	1.50
SFS0805F020TF	0.20	0.50	9	100	0.5	8.00	0.02	0.400	3.500	2.30	1.50
SFS0805F035TF	0.35	0.75	6	100	0.5	8.00	0.10	0.250	1.200	2.30	1.50
SFS0805F050TF	0.50	1.00	6	100	0.5	8.00	0.10	0.150	0.850	2.30	1.50
SFS0805F075TF	0.75	1.50	6	40	0.6	8.00	0.20	0.090	0.350	2.30	1.50
SFS0805F100TF	1.00	1.95	6	40	0.6	8.00	0.30	0.060	0.210	2.30	1.50

Definitions

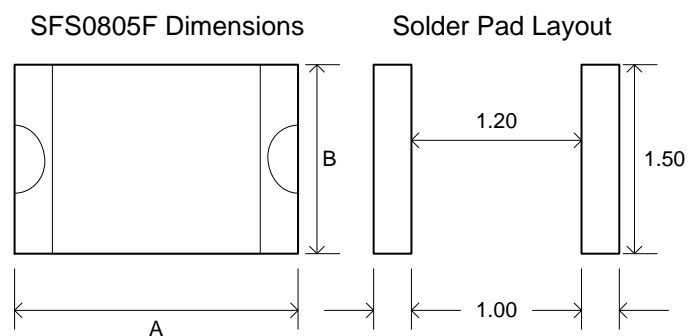
- I_{hold} = Hold current, maximum current PTC will pass without tripping in 23°C still air.
- I_{trip} = Trip current - minimum current at which the PTC will trip in still air at 23°C.
- V_{max} = Maximum voltage PTC can withstand without damage at rated current (I_{max})
- I_{max} = Maximum fault current PTC can withstand without damage at rated voltage (V_{max})



Thermal De-Rating Curve



Configuration



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