

## SEMIFUSE® SFS2920F PTC Fuses

The SFS2920F series of PTC fuses is the largest in our SMD range. The higher ratings allow engineers to replace radial PTCs with SMD solutions in numerous electronics applications. This footprint can handle currents up to 3A and voltages up to 60V.

### Characteristics

**Agency Approvals; UL, CSA & TÜV**

Part Number	$I_{hold}$ (A)	$I_{trip}$ (A)	$V_{max}$ (dc)	$I_{max}$ (A)	$P_{max}$ (W)	Maximum time to trip @ 23°C		Resistance @ 23°C		Maximum Dimension (mm)	
						Current (A)	Time (s)	$R_{min}$ (Ω)	$R_{1max}$ (Ω)	A	B
SFS2920F030TF	0.30	0.60	60	10	1.5	1.5	3.00	1.000	4.800	7.98	5.44
SFS2920F050TF	0.50	1.00	60	10	1.5	2.5	4.00	0.300	1.400	7.98	5.44
SFS2920F075TF	0.75	1.50	33	40	1.5	8.0	0.30	0.180	1.000	7.98	5.44
SFS2920F100TF	1.10	2.20	33	40	1.5	8.0	0.50	0.090	0.410	7.98	5.44
SFS2920F125TF	1.25	2.50	33	40	1.5	8.0	2.00	0.050	0.250	7.98	5.44
SFS2920F150TF	1.50	3.00	33	40	1.5	8.0	2.00	0.050	0.230	7.98	5.44
SFS2920F185TF	1.85	3.70	33	40	1.5	8.0	2.50	0.040	0.150	7.98	5.44
SFS2920F200TF	2.00	4.00	16	40	1.5	8.0	4.50	0.035	0.120	7.98	5.44
SFS2920F250TF	2.50	5.00	16	40	1.5	8.0	16.0	0.025	0.085	7.98	5.44
SFS2920F260TF	2.60	5.20	6	40	1.5	8.0	20.0	0.020	0.075	7.98	5.44
SFS2920F300TF	3.00	5.20	6	40	1.5	8.0	25.0	0.015	0.048	7.98	5.44

### Definitions

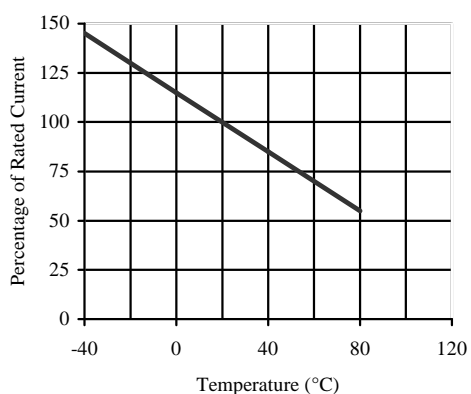
$I_{hold}$  = Hold current - maximum current PTC will pass without tripping in 23°C still air

$I_{trip}$  = Trip current - minimum current at which the PTC will trip in 23°C still air

$V_{max}$  = Maximum voltage PTC can withstand without damage at rated current ( $I_{max}$ )

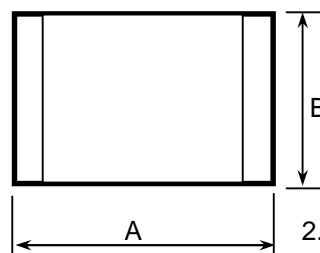
$I_{max}$  = Maximum fault current PTC can withstand without damage at rated voltage ( $V_{max}$ )

### Thermal De-rating Curve



### Configuration

SFS2920F Dimensions



Solder Pad Layout

