

SEMIFUSE® SFS2920P PTC Fuses

The SFS2920P 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 @ 20°C | | Resistance @ 20°C | | Maximum Dimension (mm) | |
|------------------|-------------------|-------------------|-------------------|------------------|------------------|-----------------------------|----------|-------------------|-------------------|------------------------|------|
| | | | | | | Current (A) | Time (s) | R_{min} (Ω) | R_{1max} (Ω) | A | B |
| SFS2920P030TF | 0.30 | 0.60 | 60 | 10 | 1.5 | 1.5 | 3.00 | 1.200 | 4.800 | 7.98 | 5.44 |
| SFS2920P050TF | 0.50 | 1.00 | 60 | 10 | 1.5 | 2.5 | 4.00 | 0.350 | 1.400 | 7.98 | 5.44 |
| SFS2920P075TF | 0.75 | 1.50 | 30 | 40 | 1.5 | 8.0 | 0.30 | 0.350 | 1.000 | 7.98 | 5.44 |
| SFS2920P100TF | 1.10 | 2.20 | 33 | 40 | 1.5 | 8.0 | 0.50 | 0.120 | 0.410 | 7.98 | 5.44 |
| SFS2920P125TF | 1.25 | 2.50 | 15 | 40 | 1.5 | 8.0 | 2.00 | 0.070 | 0.250 | 7.98 | 5.44 |
| SFS2920P150TF | 1.50 | 3.00 | 33 | 40 | 1.5 | 8.0 | 2.00 | 0.080 | 0.230 | 7.98 | 5.44 |
| SFS2920P185TF | 1.85 | 3.70 | 33 | 40 | 1.5 | 8.0 | 2.50 | 0.065 | 0.150 | 7.98 | 5.44 |
| SFS2920P200TF | 2.00 | 4.00 | 15 | 40 | 1.5 | 8.0 | 5.00 | 0.050 | 0.125 | 7.98 | 5.44 |
| SFS2920P200TF/24 | 2.00 | 4.00 | 24 | 40 | 1.5 | 8.0 | 5.00 | 0.050 | 0.125 | 7.98 | 5.44 |
| SFS2920P250TF | 2.50 | 5.00 | 15 | 40 | 1.5 | 8.0 | 10.0 | 0.035 | 0.085 | 7.98 | 5.44 |
| SFS2920P260TF | 2.60 | 5.00 | 6 | 40 | 1.5 | 8.0 | 10.0 | 0.025 | 0.075 | 7.98 | 5.44 |
| SFS2920P300TF | 3.00 | 5.00 | 6 | 40 | 1.5 | 8.0 | 20.0 | 0.015 | 0.048 | 7.98 | 5.44 |
| SFS2920P300TF/15 | 3.00 | 5.00 | 15 | 40 | 1.5 | 8.0 | 20.0 | 0.015 | 0.048 | 7.98 | 5.44 |

Definitions

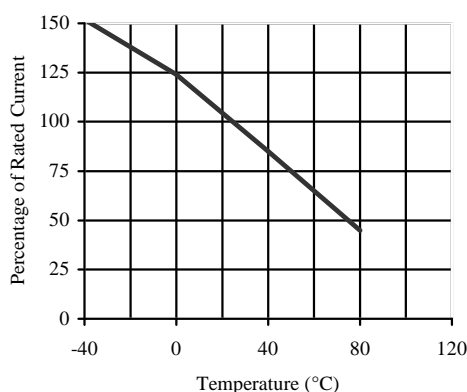
I_{hold} = Hold current - maximum current PTC will pass without tripping in 20°C still air

I_{trip} = Trip current - minimum current at which the PTC will trip in 20°C still air

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

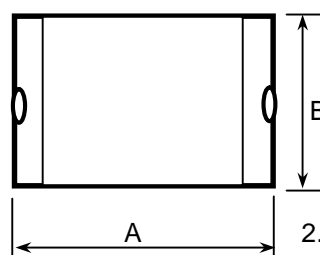
I_{max} = Maximum fault current PTC can withstand without damage at rated voltage (V_{max})

Thermal de-rating curve



Configuration

SFS2920P Dimensions



Solder Pad Layout

