

Surface-Mount Devices | 2920 Size

SRF2920 Series

PTC Resettable Fuses

Features

- Resettable over current and over temperature protection
- Small size of 2920
- Fast time-to-trip
- Small footprint
- RoHS complaint
- Low resistance

Applications

- Computer
- Portable electronics
- Multimedia
- Game machines
- Telephony and broadband
- Mobile phones
- Automotive
- Industrial controls



Electrical Characteristics

Part Number	I _H (A)	I _T (A)	V _{max} (V)	I _{max} (A)	Time to Trip		Pd _{typ} (W)	R _{min} (Ω)	R1 _{max} (Ω)
					(A)	(Sec.)			
SRF2920P400/24	4.00	8.00	24	40	20.0	4.0	1.5	0.008	0.040

I_H = Hold current: maximum current at which the device will not trip at 25 °C still air reflow soldering of 260 °C for 20 sec.
 I_T = Trip current: minimum current at which the device will always trip at 25 °C still air reflow soldering of 260 °C for 20 sec.
 V_{max} = Maximum continuous voltage device can withstand without damage at rated current
 I_{max} = Maximum fault current device can withstand without damage at rated voltage.
 T_{trip} = Maximum time to trip(s) at assigned current reflow soldering of 260 °C for 20 sec.
 Pd_{typ} = Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

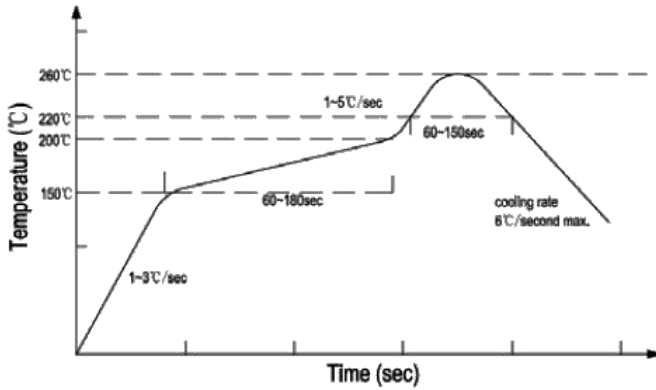
R_{min} = Minimum resistance of device in initial (un-soldered) state.
 R1_{max} = Maximum resistance of device at 25 °C measured one hour after reflow soldering of 260 °C for 20 sec.

Value specified is determined by using the PWB with 0.030" *1.5oz copper traces. Caution: Operation beyond the specified rating may result in damage and possible arcing and flame.

Thermal Derating Chart Hold Current (A)

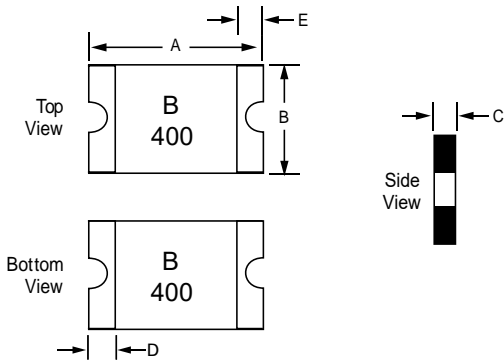
Part Number	Ambient Operating Temperature									
	-40°C	-20°C	0°C	25°C	30°C	40°C	50°C	60°C	70°C	85°C
SRF2920P400/24	5.80	5.20	4.60	4.00	3.70	3.40	3.10	2.80	2.50	2.00

Solder Reflow Recommendation



Reflow -curve

Dimensions



P/N	A		B		C		D	E
	Min	Max	Min	Max	Min	Max	Min	Min
SRF2920P400/24	6.73	7.98	4.80	5.44	0.60	1.20	0.30	0.25

Packaging Options

I _{hold(A)}	Quantity
4.0A	1,500pcs

Reel packaging per EIA-481-1 standard

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