

# Surface-Mount Devices | 2920 Size

## PTC Resettable Fuses

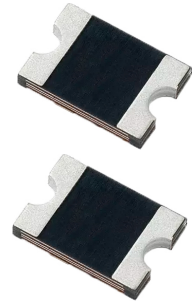
# SRF2920 Series

### Features

- Resettable over current and over temperature protection
- Small size of 2920
- Fast time-to-trip
- Small footprint
- RoHS compliant
- 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)	$R_{min}$ ( $\Omega$ )	$R1_{max}$ ( $\Omega$ )
					(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.

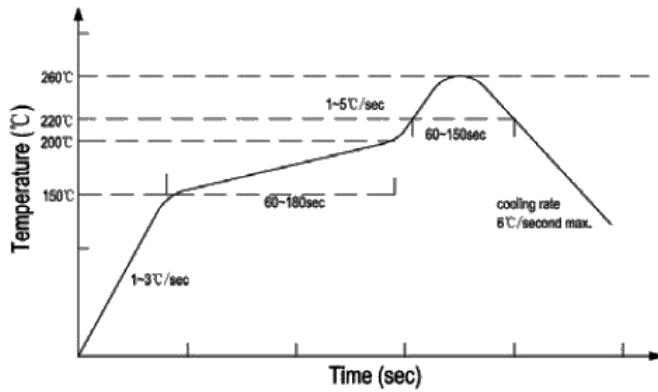
$R_{min}$  = Minimum resistance of device in initial (un-soldered) state.  
 $R1_{max}$  = Maximum resistance of device at 25 °C measured one hour after reflow soldering of 260 °C for 20 sec.

**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)

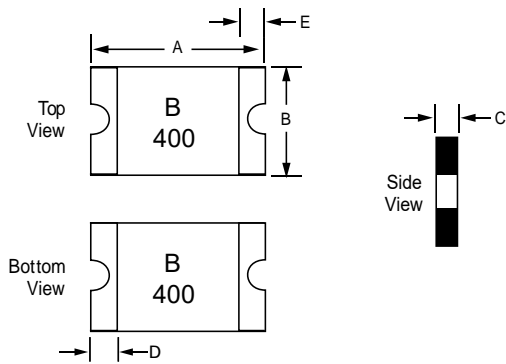
Part Number	Ambient Operating Temperature									
	-40°C	-20°C	0°C	25°C	30°C	40°C	50°C	60°C	70°C	85°C
SRF2920P400/24	5.80	5.20	4.60	4.00	3.70	3.40	3.10	2.80	2.50	2.00

### 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 <sub>hold(A)</sub>	Quantity
4.0A	1,500pcs

Reel packaging per EIA-481-1 standard

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