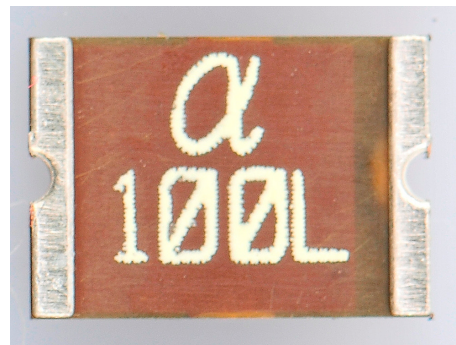


Type SMD (2920) Series

Surface-mount Resettable Devices

RoHS



Agency File Number

UL E201504/E319079

Electrical Characteristic

Operating/Storage Temperature

-40°C to +85°C

Maximum Device Surface Temperature

In Tripped State 125°C

Passive Aging

+85°C, 1000Hours, ±5% Typical Resistance Change

Humidity Aging

+85°C, 85%R.H., 168Hours, ±5% Typical Resistance Change

Thermal Shock:

MIL-STD-202, Method 215, +85°C / -40°C,
20 Times, ±33% Typical Resistance Change

Vibration

MIL-STD-202, Method 201, No Resistance Change

Materials

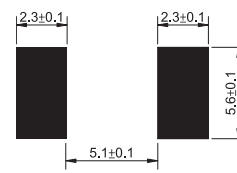
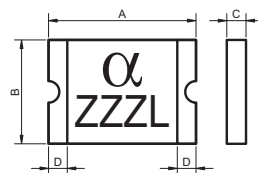
Tin-Plated Nickle-Copper or Gold-Plated Nickle-Copper

Packaging

Tape & Reel Quantity 2,000 pcs/reel

Mechanical Dimensions

Recommended pad layout (mm)



Physical and Dimension(Unit: mm/inch)

Model	A		B		C		D
	Min.	Max.	Min.	Max.	Min.	Max.	Min.
SMD030L	6.73	7.98	4.80	5.44	0.60	1.30	0.30
SMD050L	6.73	7.98	4.80	5.44	0.60	1.30	0.30
SMD075L	6.73	7.98	4.80	5.44	0.60	1.30	0.30
SMD100L	6.73	7.98	4.80	5.44	0.40	1.00	0.30
SMD125L	6.73	7.98	4.80	5.44	0.40	0.90	0.30
SMD150L	6.73	7.98	4.80	5.44	0.40	0.90	0.30
SMD185L	6.73	7.98	4.80	5.44	0.30	0.90	0.30
SMD200L	6.73	7.98	4.80	5.44	0.30	0.90	0.30
SMD250L	6.73	7.98	4.80	5.44	0.30	0.90	0.30
SMD260L	6.73	7.98	4.80	5.44	0.30	0.90	0.30
SMD300L-6V	6.73	7.98	4.80	5.44	0.30	0.90	0.30
SMD300L	6.73	7.98	4.80	5.44	0.60	1.30	0.30

Electrical Specification

Model	V _{max} (A)	I _{max} (A)	I _{hold} @25°C (A)	I _{trip} @25°C (A)	P _d Max. (W)	Maximum Time To Trip		Resistance		Agency Approval	
						Current (A)	Time (Sec)	R _{i_min} (Ω)	R _{1_max} (Ω)	UL	TUV
SMD030L	60	100	0.30	0.60	1.5	1.5	3.0	0.600	4.800		
SMD050L	60	100	0.50	1.00	1.5	2.5	4.0	0.180	1.400		
SMD075L	33	100	0.75	1.50	1.5	8.0	0.3	0.100	1.000		
SMD100L	33	100	1.10	2.20	1.5	8.0	0.5	0.065	0.410		
SMD125L	33	100	1.25	2.50	1.5	8.0	2.0	0.050	0.250		
SMD150L	33	100	1.50	3.00	1.5	8.0	2.0	0.035	0.230		
SMD185L	33	100	1.85	3.70	1.5	8.0	2.5	0.030	0.150		
SMD200L	16	100	2.00	4.00	1.5	8.0	4.5	0.020	0.120		
SMD250L	16	100	2.50	5.00	1.5	8.0	16.0	0.020	0.085		
SMD260L	6	100	2.60	5.20	1.5	8.0	10.0	0.014	0.075		
SMD300L-6V	6	40	3.00	6.00	1.5	8.0	20.0	0.012	0.048	*	
SMD300L	16	100	3.00	6.00	1.5	8.0	20.0	0.012	0.048		

I_{hold} = Hold Current. Maximum current device will not trip in 25°C still air.

I_{trip} = Trip Current. Minimum current at which the device will always trip in 25°C still air.

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

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

P_d = Power dissipation when device is in the tripped state in 25°C still air environment at rated voltage.

R_{i_min}/max = Minimum/Maximum device resistance prior to tripping at 25°C.

R_{1_max} = Maximum device resistance is measured one hour post reflow.

CAUTION : Operation beyond the specified ratings may result in damage and possible arcing and flame.