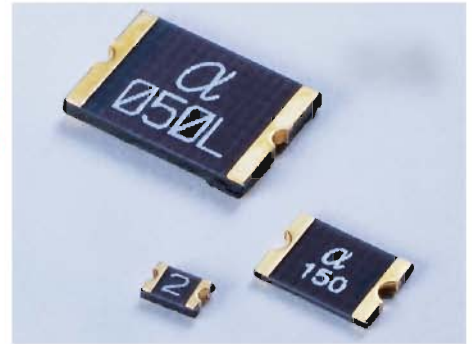


## Type SMD (2920) Series

Surface-mount Resettable Devices



### Approvals (Pending)

UL Recognized 0.3A~3A

### Electrical Characteristics

#### 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:

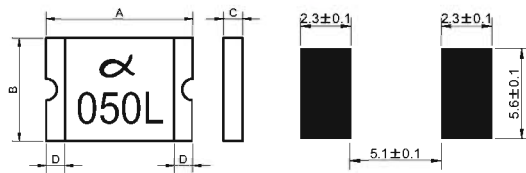
MIL-STD-202, Method 215, +85°C / -40°C,  
20 Times, ±33% Typical Resistance Change

#### Vibration

MIL-STD-202, Method 201, 1 No Resistance Change

### Mechanical Dimensions

### Recommended pad layout (mm)



### Physical and Dimension(Unit: mm/inch)

Modle	A		B		C		D
	Min.	Max.	Min	Max.	Min.	Max.	Min.
SMD030L	6.73	7.98	4.80	5.44	0.60	1.15	0.30
SMD050L	6.73	7.98	4.80	5.44	0.60	1.15	0.30
SMD075L	6.73	7.98	4.80	5.44	0.60	1.15	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	6.73	7.98	4.80	5.44	0.30	0.90	0.30

**Materials** Tin-Plated Nickle-Copper or Gold-Plated Nickle-Copper

**Packaging** Tape & Reel Quantity 2,000 pcs/reel

### Electrical Specification

Modle	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	I <sub>hold</sub> @25°C (A)	I <sub>trip</sub> @25°C (A)	P <sub>d</sub> Typ. (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (Sec)	R <sub>ityp</sub> (Ω)	R <sub>1max</sub> (Ω)
SMD 030L	60	10	0.30	0.60	1.5	1.5	3.0	0.650	4.800
SMD 050L	60	10	0.50	1.00	1.5	2.5	4.0	0.250	1.400
SMD 075L	33	40	0.75	1.50	1.5	8.0	0.3	0.135	1.000
SMD 100L	33	40	1.10	2.20	1.5	8.0	0.5	0.080	0.410
SMD 125L	33	40	1.25	2.50	1.5	8.0	2.0	0.060	0.250
SMD 150L	33	40	1.50	3.00	1.5	8.0	2.0	0.040	0.230
SMD 185L	33	40	1.85	3.70	1.5	8.0	2.5	0.030	0.150
SMD 200L	16	40	2.00	4.00	1.5	8.0	4.5	0.026	0.120
SMD 250L	16	40	2.50	5.00	1.5	8.0	16.0	0.024	0.085
SMD 260L	16	40	2.60	5.20	1.5	8.0	10.0	0.020	0.075
SMD 300L	16	40	3.00	6.00	1.5	8.0	20.0	0.018	0.048

I<sub>hold</sub> = Hold Current. Maximum current device will not trip in 25°C still air.

I<sub>trip</sub> = Trip Current. Minimum current at which the device will always trip in 25°C still air.

V<sub>max</sub> = Maximum operating voltage device can withstand without damage at rated current (I<sub>max</sub>).

I<sub>max</sub> = Maximum fault current device can withstand without damage at rated voltage (V<sub>max</sub>).

P<sub>d</sub> =Maximum power dissipation when device is in the tripped state in 25°C still air environment at rated voltage.

R<sub>ityp</sub> = Minimum/Maximum device resistance prior to tripping at 25°C.

R<sub>1max</sub> = Maximum device resistance is measured one hour post reflow.

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