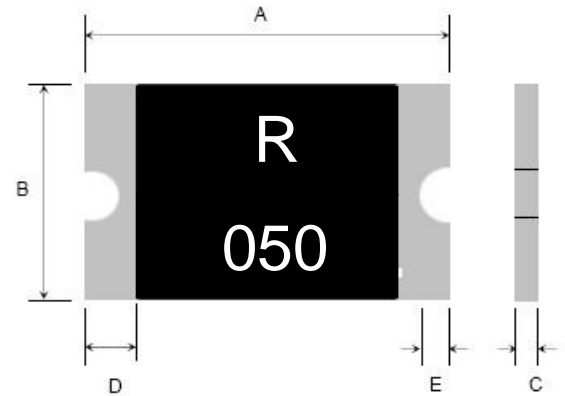


TERMINAL PAD SOLDERABILITY:
 Meets EIA Specification RS186-9E
 And ANSI/J-STD-002 Category 3.



TERMINAL PAD MATERIALS:
 Tin-Plated Nickel-Copper
 Lead-Free, ROHS Compliant

TABLE I. DIMENSIONS:

Unit: mm

Model	A		B		C		D	E
	Min	Max	Min	Max	Min	Max	Min	Min
SMD2920-050	6.73	7.98	4.80	5.44	0.60	1.20	0.30	0.25

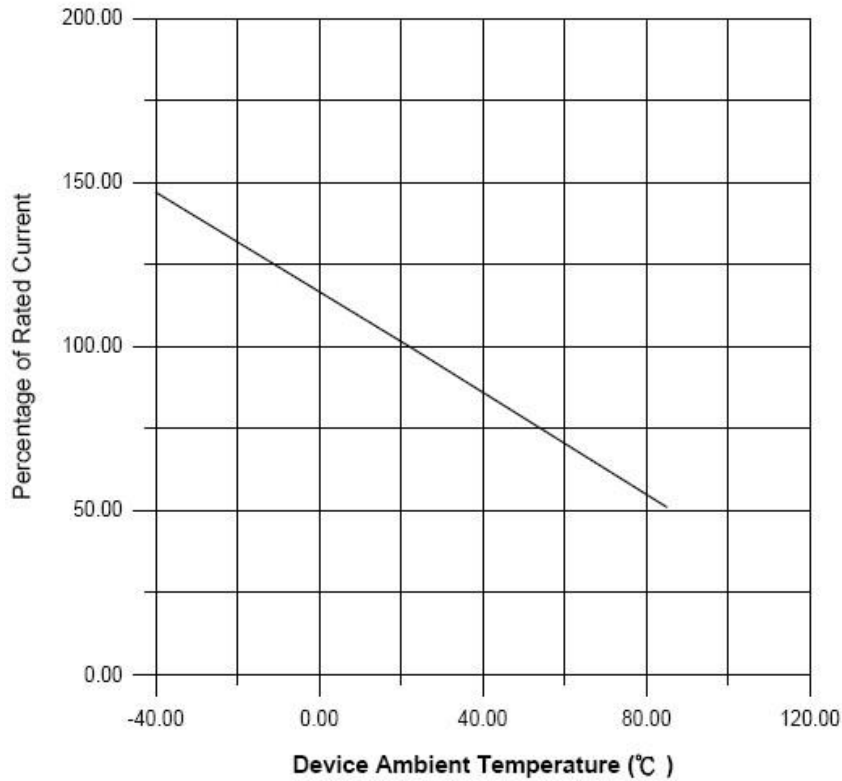
TABLE II. PERFORMANCE RATINGS:

Model	Vmax	I _{max}	I _{hold@25°C}	I _{trip@25°C}	Pd Typ.	Maximum Time TO Trip		Resistance	
	(Vdc)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R _{min} (Ω)	R _{max} (Ω)
SMD2920-050	60	10	0.50	1.00	1.5	2.5	4.0	0.180	1.400

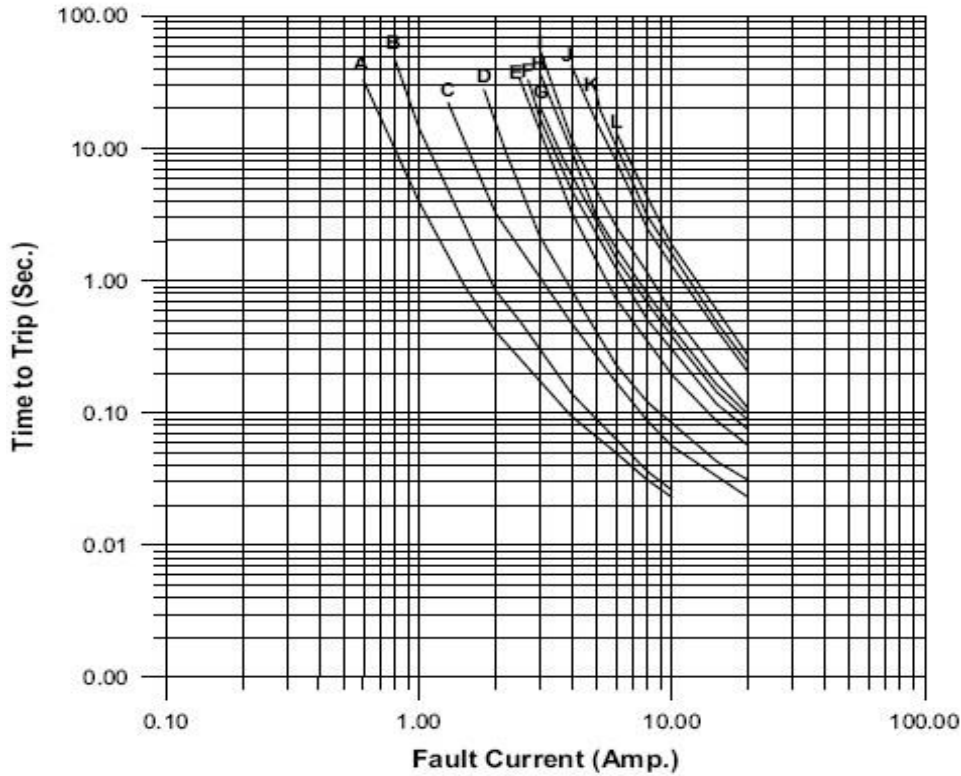
**THERMAL DERATING CHART FOR SMD2920 SERIES-IHOLD(Amps)
 RECOMMENDED DATA**

Model	Ambient Operation Temperature								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD2920-050	0.76	0.67	0.59	0.50	0.42	0.38	0.33	0.29	0.23

THERMAL DERATING CURVE FOR SMD2920 SERIES

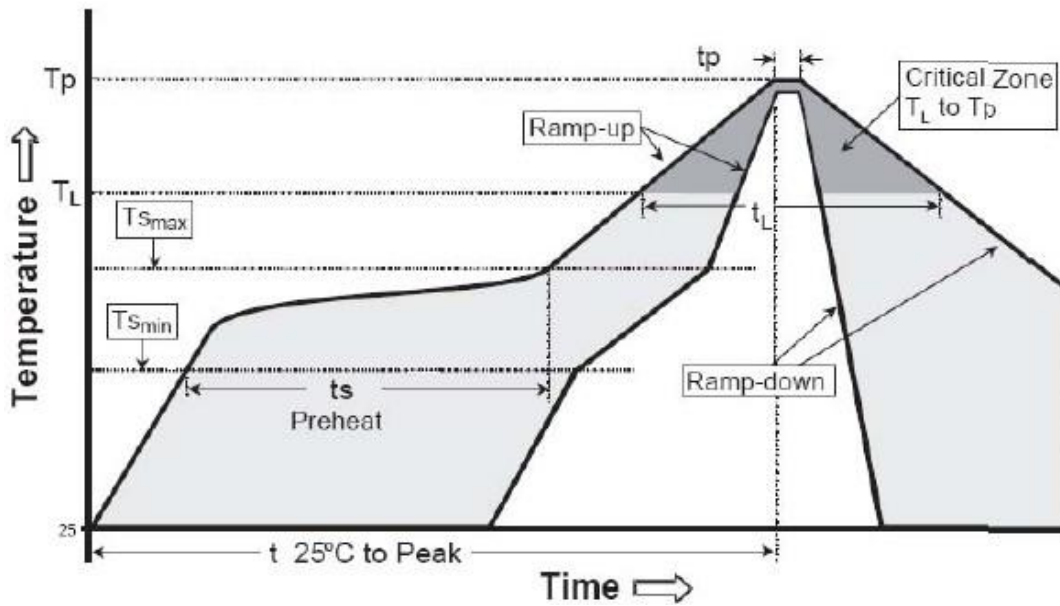


AVERAGE TIME-CURRENT CURVE FOR SMD2920 SERIES



- A-SMD2920-030
- B-SMD2920-050
- C-SMD2920-075
- D-SMD2920-100
- E-SMD2920-125
- F-SMD2920-150
- G-SMD2920-185
- H-SMD2920-200 24V
- I-SMD2920-200
- J-SMD2920-250
- K-SMD2920-260
- L-SMD2920-300

SOLDER REFLOW



RECOMMENDED CONCITIONS

Profile Feature	Pd-Free Assembly
Average Ramp-Up Rate(T_{smax} to T_p)	3°C/second max
Preheat —Temperature Min(T_{smin}) —Temperature Max(T_{smax}) —Time(T_{smin} to T_{smax})	150°C 200°C 60-180seconds
Time maintained above: —Temperature(T_L) —Time(t_L)	217°C 60-150seconds
Peak Temperature(T_p)	260°C
Time within 5°C of actual Peak Temperature(t_p)	20-40seconds
Ramp-Down Rate	6°C/second max.
Time 25°C to Peak Temperature	8minutes max.
Storage Condition	0°C~35°C, ≤70%RH

Note: 1.All temperature refer to topside of the package, measured on the package body surface.
2.If reflow temperature exceed the recommended profile, devices

PACKAGING

Part Number	Component Package	Quantity
SMD2920-050	2920	1500

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