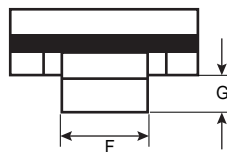
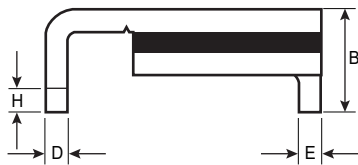


Terminal Pad Solderability

Meets ANSI/J-STD-002, Category 1.

Terminal Pad Materials

100% Matte Tin with Nickel Underplate



Marking

Part Identification
 ASMD2920T050 = J050

TABLE I. DIMENSIONS

Model	A		B	C		D		E		F		G		H
	Min.	Max.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
ASMD2920T050	6.73	7.98	3.18	4.8	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43

Unit: mm

TABLE II. PERFORMANCE RATINGS

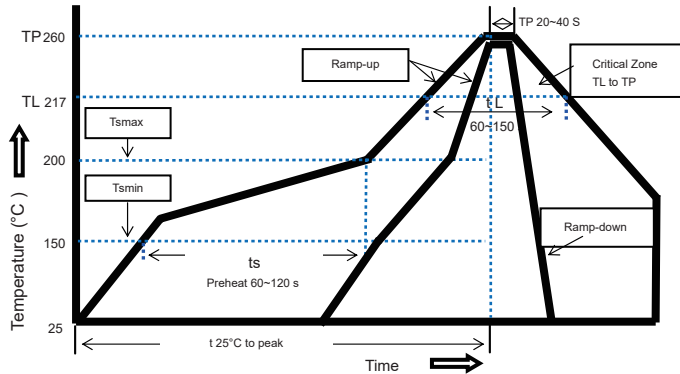
Model	V_{max} (V dc)	I_{max} (A)	I_{hold} @25°C (A)	I_{trip} @25°C (A)	P_d Typ. (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (Sec)	R_{imin} (Ω)	R_{1max} (Ω)
ASMD2920T050	60	10	0.50	1.00	1.7	2.5	4.0	0.35	1.4

Recognition:UL pending

Thermal Derating Chart

Model	Maximum ambient operating temperature (T_{mao}) vs. hold current (I_{hold})									
	- 40°C	- 20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C	
ASMD2920T050	0.86	0.75	0.65	0.50	0.43	0.37	0.32	0.26	0.20	

Soldering Parameters



Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate (Ts max to T p)	3 °C/second max.
Preheat	
-Temperature Min(Ts min)	150 °C
-Temperature Max(Ts max)	200 °C
-Time(Ts min to Ts max)	60~120 seconds
Time maintained above:	
-Temperature(TL)	217 °C
-Time(tL)	60~150 seconds
Peak/Classification Temperature(Tp)	260 °C
Time within 5 °C of actual peak temperature	30 seconds max.
Time (TP)	
Ramp down rate	3 °C/seconds max.
Time 25 °C to peak temperature	8 minutes max.
Operating Temperature	-40 °C~+85 °C

- Recommended reflow methods: IR, vapor phase oven, hot air oven, N2 environment for lead-free.
- Devices are not designed to be wave soldered to the bottom side of the board.
- Recommended maximum paste thickness is 0.25mm (0.010inch).
- Devices can be cleaned using standard industry methods and solvents.

Note 1: All temperature refer to topside of the package, measured on the package body surface.

Note 2: If reflow temperature exceed the recommended profile, devices may not meet the performance requirements.

Packaging Quantity

Model	Quantity
ASMD2920T050	2,000 pcs/reel