

Features

- ◆ Surface Mount Devices
- ◆ Standard 0805mils footprint
- ◆ Surface mount packaging for automated assembly
- ◆ Compatible with Pb and Pb-free solder reflow profiles.
- ◆ Agency recognition: UL approved

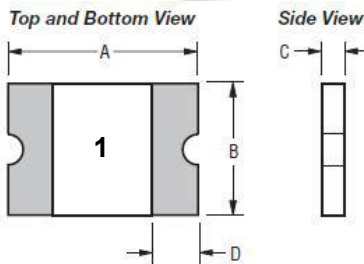
Applications

- ◆ Mobile phones
- ◆ PC motherboards
- ◆ PDA's/Digital cameras
- ◆ USB port protection
- ◆ HDMI source protection
- ◆ Game console port protection

Electrical Characteristics (電氣特性):

P/N	保持電流	跳脫電流	最大電壓	最大電流	最大動作時間		消耗功率	電阻範圍(Ω)	
	IH, (A)	IT, (A)	Vmax, (V)	I _{max} , (A)	(A)	(Sec.)	Pd typ(W)	Rmin	R1max
PSMD010	0.10	0.30	15.0	40	0.5	1.50	0.50	1.000	7.500
PSMD020	0.20	0.50	9.0	40	8.0	0.02	0.50	0.650	3.500
PSMD035	0.35	0.75	6.0	40	8.0	0.10	0.50	0.250	1.200
PSMD050	0.50	1.00	6.0	40	8.0	0.10	0.50	0.150	0.900
PSMD075	0.75	1.50	6.0	40	8.0	0.20	0.60	0.090	0.350
PSMD100	1.00	2.00	6.0	40	8.0	0.30	0.60	0.060	0.250
PSMD110	1.10	2.20	6.0	40	8.0	0.30	0.60	0.060	0.210

Product Dimensions & Marking (Unit: mm) (產品尺寸):

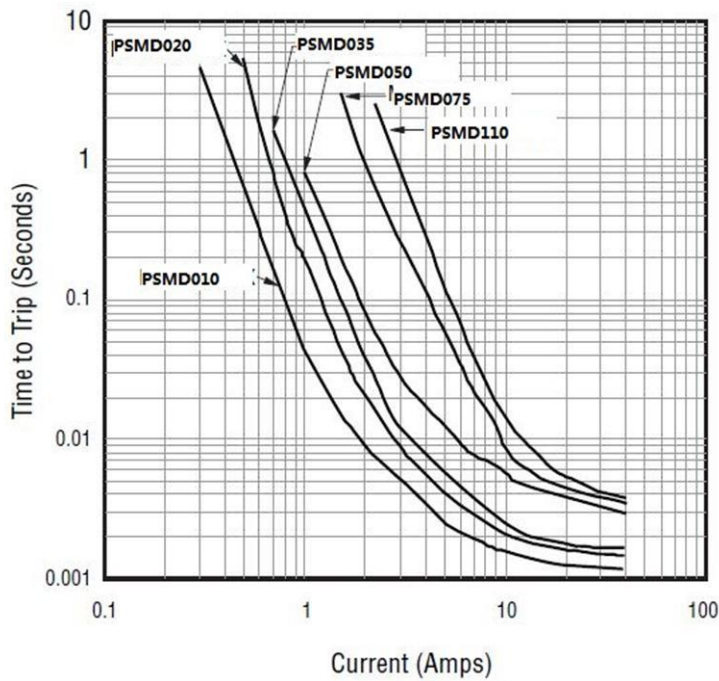


P/N	Marking (標識)	A		B		C		D
		Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)
PSMD010	1	2.00	2.30	1.20	1.50	0.55	0.95	0.20
PSMD020	2	2.00	2.30	1.20	1.50	0.55	0.95	0.20
PSMD035	3	2.00	2.30	1.20	1.50	0.40	0.80	0.20
PSMD050	4	2.00	2.30	1.20	1.50	0.40	0.80	0.20
PSMD075	5	2.00	2.30	1.20	1.50	0.75	1.25	0.20
PSMD100	6	2.00	2.30	1.20	1.50	0.75	1.25	0.20
PSMD110	6	2.00	2.30	1.20	1.50	0.75	1.25	0.20

Thermal Derating Chart – I_{hold} (Amps) (環境溫度與工作電流關係特性曲線)

P/N	Ambient Operating Temperature(工作環境溫度)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
PSMD010	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05
PSMD020	0.28	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
PSMD035	0.47	0.44	0.39	0.35	0.30	0.27	0.24	0.20	0.14
PSMD050	0.68	0.62	0.55	0.50	0.40	0.37	0.33	0.29	0.23
PSMD075	1.00	0.90	0.79	0.75	0.63	0.57	0.53	0.42	0.35
PSMD100	1.45	1.35	1.20	1.00	0.92	0.84	0.75	0.65	0.52
PSMD110	1.45	1.35	1.20	1.10	0.92	0.84	0.75	0.65	0.52

Typical time to trip at 25°C (25°C下的動作保護時間曲線表):



The Time to Trip curves represent typical performance of a device in a simulated application environment. Actual performance in specific customer applications may differ from these values due to the influence of other variables.

Agency Approvals (安規認證):

- Agency Approvals: UL、CSA、TUV
- Regulation/Standard: RoHS 2.0(2011/65/CE)

Package information (包裝資訊):

Model	Q'ty/Reel
PSMD010/PSMD020/PSMD075/PSMD100/PSMD110	3500 pcs
PSMD035/PSMD050	4500 pcs

Note: Reel packaging per EIA-481-1 standard