

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

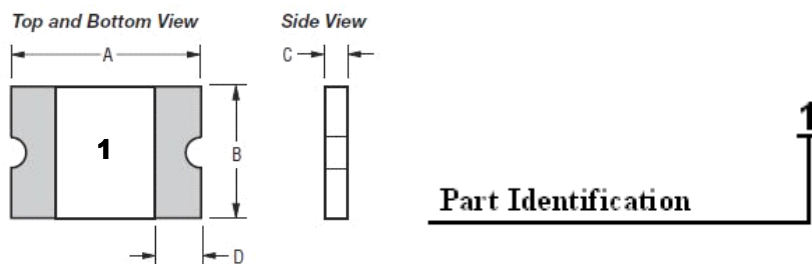
Applications

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

Electrical Characteristics (电气特性):

P/N	保持电流	跳脱电流	最大电压	最大电流	最大动作时间		消耗功率	电阻范围(Ω)	
	I_{H_1} (A)	I_{T_1} (A)	V_{max} (V)	I_{max} (A)	(A)	(Sec.)	$P_{d_{typ}}$ (W)	R_{min}	$R1_{max}$
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) (产品尺寸):



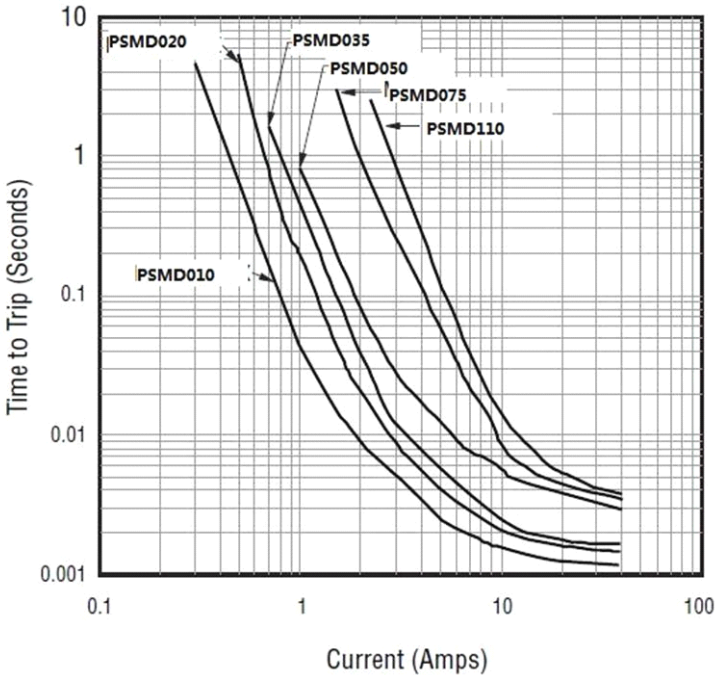
P/N	Marking (标识)	A		B		C		D
		Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)
PSMD010	1	2.00	2.30	1.20	1.50	0.55	0.95	0.20
PSMD020	2	2.00	2.30	1.20	1.50	0.55	0.95	0.20
PSMD035	3	2.00	2.30	1.20	1.50	0.40	0.80	0.20
PSMD050	4	2.00	2.30	1.20	1.50	0.40	0.80	0.20
PSMD075	5	2.00	2.30	1.20	1.50	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) (环境温度与工作电流关系特性曲线)

P/N	Ambient Operating Temperature(工作环境温度)								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
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℃ (25℃下的动作保护时间曲线表):



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 (安规认证):

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

Package information (包装信息):

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

Note: Reel packaging per EIA-481-1 standard