

Features

- ◆ Surface Mount Devices
- ◆ Standard 0603mils footprint
- ◆ Surface mount packaging for automated assembly
- ◆ Compatible with Pb and Pb-free solder reflow profiles.
- ◆ Agency recognition: UL approved

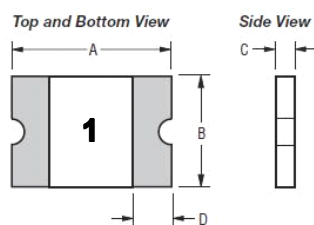
Applications

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

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 (A)	I_T (A)	V_{max} (V)	I_{max} (A)	(A)	(Sec.)	Pd_{typ} (W)	R_{min}	$R1_{max}$
FSMD010	0.10	0.30	15	40	0.50	1.00	0.50	0.90	6.00
FSMD020	0.20	0.50	9	40	1.00	0.60	0.50	0.55	3.50
FSMD035	0.35	0.75	6	40	8.00	0.10	0.50	0.20	1.40
FSMD050	0.50	1.00	6	40	8.00	0.10	0.50	0.10	0.80

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

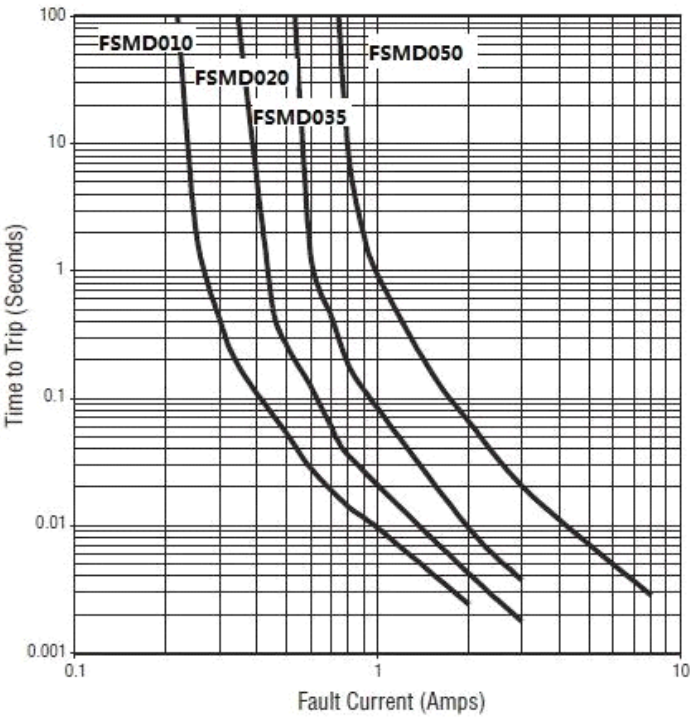


P/N	Marking (标识)	A		B		C		D
		Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)
FSMD010	1	1.45	1.85	0.65	1.05	0.30	0.65	0.20
FSMD020	2	1.45	1.85	0.65	1.05	0.30	0.65	0.20
FSMD035	3	1.45	1.85	0.65	1.05	0.30	0.65	0.20
FSMD050	5	1.45	1.85	0.65	1.05	0.65	1.00	0.20

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℃
FSMD010	0.13	0.12	0.11	0.10	0.08	0.07	0.06	0.05	0.03
FSMD020	0.27	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
FSMD035	0.47	0.41	0.38	0.35	0.29	0.26	0.24	0.20	0.14
FSMD050	0.67	0.59	0.54	0.50	0.41	0.37	0.34	0.29	0.20

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
FSMD010 ~ FSMD040	6000 pcs
FSMD050	4000 pcs
Note: Reel packaging per EIA-481-1 standard	