

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

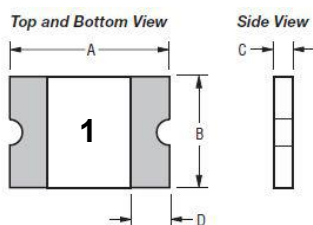
Applications

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

Electrical Characteristics (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
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) (產品尺寸) :



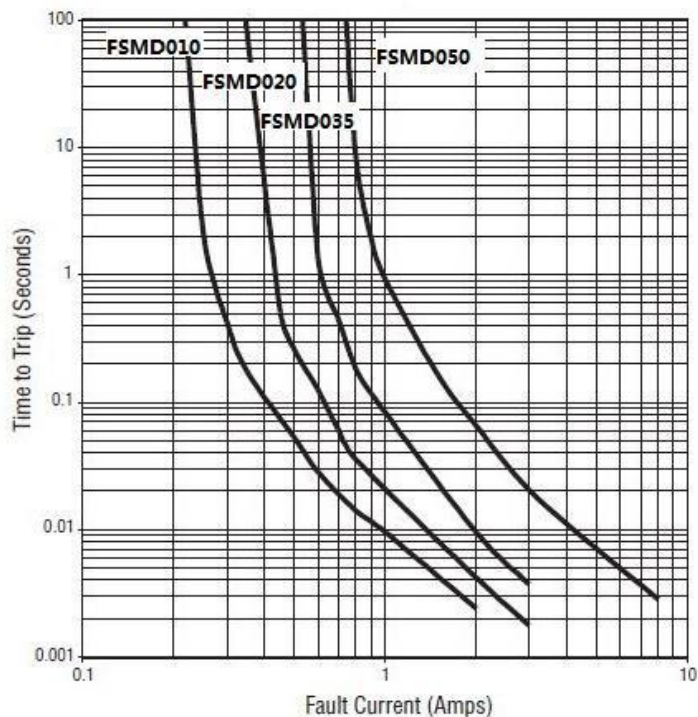
Part Identification

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)
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) (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
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°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
FSMD010 ~ FSMD040	6000 pcs
FSMD050	4000 pcs

Note: Reel packaging per EIA-481-1 standard