

### Features

- ◆ Surface Mount Devices
- ◆ Standard 1210mils footprint
- ◆ Surface mount packaging for automated assembly
- ◆ Compatible with Pb and Pb-free solder reflow profiles.
- ◆ Agency recognition: UL approved

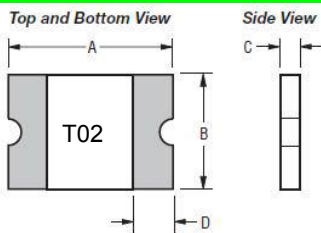
### Applications

- ◆ Mobile phones
- ◆ PC motherboards
- ◆ IEEE1394 ports
- ◆ 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)	
	I <sub>H</sub> (A)	I <sub>T</sub> (A)	V <sub>max</sub> (V)	I <sub>max</sub> (A)	(A)	(Sec.)	P <sub>d typ</sub> (W)	R <sub>min</sub>	R <sub>1max</sub>
USMD005	0.05	0.15	30	10	0.25	1.50	0.60	2.80	50.00
USMD010	0.10	0.30	30	10	0.50	0.60	0.60	0.80	15.00
USMD020	0.20	0.40	30	10	8.00	0.02	0.60	0.40	5.00
USMD035	0.35	0.75	6	40	8.00	0.20	0.60	0.20	1.30
USMD050	0.50	1.00	13.2	40	8.00	0.10	0.60	0.18	0.90
USMD075	0.75	1.50	6	40	8.00	0.10	0.60	0.07	0.45
USMD110	1.10	2.20	6	40	8.00	0.30	0.60	0.05	0.24
USMD150	1.50	3.00	6	40	8.00	0.50	0.60	0.03	0.11
USMD175	1.75	4.00	6	40	8.00	1.00	0.70	0.02	0.09
USMD200	2.00	4.00	6	40	8.00	1.00	0.70	0.02	0.09
USMD260	2.60	5.00	6	100	8.00	2.50	0.80	0.012	0.05

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

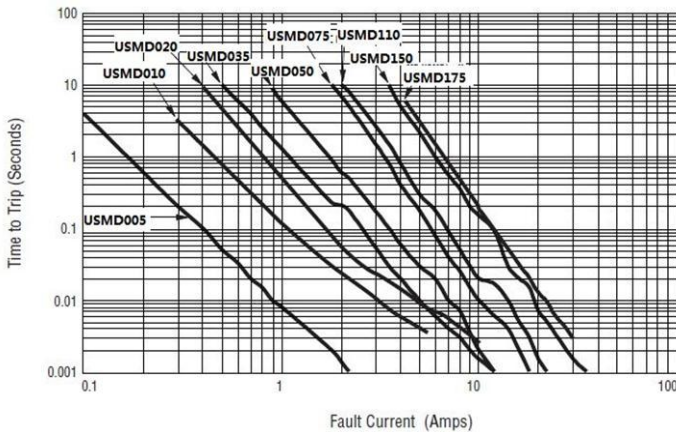


P/N	Marking	A		B		C		D
		Min.	Max.	Min.	Max.	Min.	Max.	Min.
USMD005	T0	3.00	3.43	2.35	2.80	0.80	1.20	0.30
USMD010	T01	3.00	3.43	2.35	2.80	0.80	1.20	0.30
USMD020	T02	3.00	3.43	2.35	2.80	0.80	1.20	0.30
USMD035	T03	3.00	3.43	2.35	2.80	0.55	0.85	0.30
USMD050	T05	3.00	3.43	2.35	2.80	0.60	1.00	0.30
USMD075	T07	3.00	3.43	2.35	2.80	0.55	0.85	0.30
USMD110	T11	3.00	3.43	2.35	2.80	0.45	0.85	0.30
USMD150	T15	3.00	3.43	2.35	2.80	0.80	1.20	0.30
USMD175	T20	3.00	3.43	2.35	2.80	0.80	1.20	0.30
USMD200	T20	3.00	3.43	2.35	2.80	0.80	1.20	0.30
USMD260	T26	3.00	3.43	2.35	2.80	0.80	1.50	0.30

## Thermal Derating Chart – I<sub>hold</sub> (Amps) (環境溫度與工作電流關係特性曲線)

P/N	Ambient Operating Temperature								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
USMD005	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02
USMD010	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05
USMD020	0.32	0.28	0.24	0.20	0.18	0.16	0.14	0.12	0.10
USMD035	0.51	0.46	0.40	0.34	0.30	0.27	0.24	0.22	0.18
USMD050	0.76	0.66	0.58	0.48	0.42	0.38	0.35	0.29	0.23
USMD075	1.10	0.97	0.86	0.72	0.64	0.58	0.55	0.47	0.39
USMD110	1.60	1.42	1.26	1.10	0.94	0.86	0.80	0.70	0.58
USMD150	2.30	2.02	1.76	1.50	1.24	1.11	1.00	0.85	0.65
USMD175	2.55	2.26	2.00	1.75	1.50	1.37	0.98	0.86	0.71
USMD200	3.20	2.80	2.40	2.00	1.80	1.60	1.40	1.20	1.00
USMD260	4.16	3.64	3.12	2.6	2.34	2.08	1.82	1.56	1.30

## 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
USMD005 ~ USMD020; USMD150~USMD260	3500 pcs
USMD035 ~ USMD110	4000 pcs

Note: Reel packaging per EIA-481-1 standard