



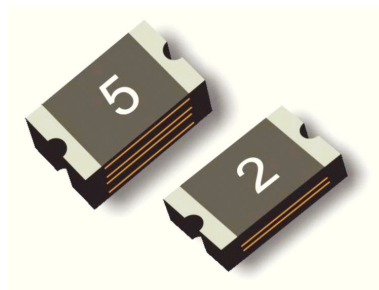
### PSMD0805 Series

#### Features

- ◆ Surface Mount Devices
- ◆ Standard 0805mils footprint
- ◆ Surface mount packaging for automated assembly
- ◆ Compatible with Pb and Pb-free solder re flow profiles.
- ◆ UL(E352136), C-UL(E352136), TUV(R50306074)
- ◆ RoHS, Reach, HF compliance

#### Applications

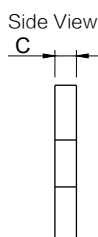
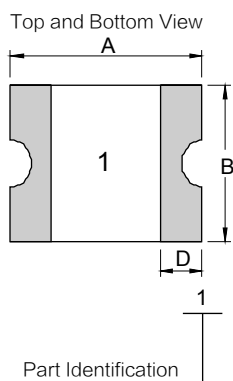
- ◆ Mobile phones
- ◆ PC motherboards
- ◆ PDAS/Digital cameras
- ◆ USB port protection
- ◆ HDMI source protection
- ◆ Game console port protection



#### 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)	$R_{min}$ ,	$R1_{max}$ ,
TLC-PSMD010/24	0.10	0.30	24.0	100	0.5	1.50	0.50	1.000	7.500
TLC-PSMD010	0.10	0.30	15.0	100	0.5	1.50	0.50	1.000	7.50
TLC-PSMD020	0.20	0.50	9.0	100	8.0	0.02	0.50	0.650	3.500
TLC-PSMD035	0.35	0.75	6.0	100	8.0	0.10	0.50	0.250	1.200
TLC-PSMD050	0.50	1.00	6.0	100	8.0	0.10	0.50	0.150	0.900
TLC-PSMD075	0.75	1.50	6.0	100	8.0	0.20	0.60	0.090	0.350
TLC-PSMD100	1.00	2.00	6.0	100	8.0	0.30	0.60	0.060	0.250
TLC-PSMD110	1.10	2.20	6.0	100	8.0	0.30	0.60	0.060	0.210

#### 产品尺寸 (Unit: mm) :



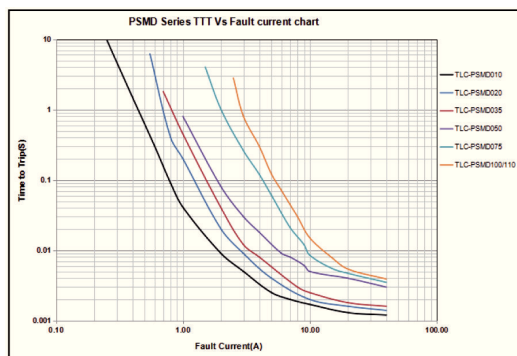
P/N	Marking (标识)	A		B		C		D
		Min.	Max.	Min.	Max.	Min.	Max.	Min.
TLC-PSMD010/24	1	2.00	2.30	1.20	1.50	0.55	0.95	0.20
TLC-PSMD010	1	2.00	2.30	1.20	1.50	0.55	0.95	0.20
TLC-PSMD020	2	2.00	2.30	1.20	1.50	0.55	0.95	0.20
TLC-PSMD035	3	2.00	2.30	1.20	1.50	0.40	0.80	0.20
TLC-PSMD050	4	2.00	2.30	1.20	1.50	0.40	0.80	0.20
TLC-PSMD075	5	2.00	2.30	1.20	1.50	0.60	1.00	0.20
TLC-PSMD100	6	2.00	2.30	1.20	1.50	0.60	1.00	0.20
TLC-PSMD110	6	2.00	2.30	1.20	1.50	0.60	1.00	0.20



#### 环境温度与工作电流关系特性曲线：

P/N	工作环境温度								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
TLC-PSMD010/24	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05
TLC-PSMD010	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05
TLC-PSMD020	0.28	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
TLC-PSMD035	0.47	0.44	0.39	0.35	0.30	0.27	0.24	0.20	0.14
TLC-PSMD050	0.68	0.62	0.55	0.50	0.40	0.37	0.33	0.29	0.23
TLC-PSMD075	1.00	0.90	0.79	0.75	0.63	0.57	0.53	0.42	0.35
TLC-PSMD100	1.45	1.35	1.20	1.00	0.92	0.84	0.75	0.65	0.52
TLC-PSMD110	1.45	1.35	1.20	1.10	0.92	0.84	0.75	0.65	0.52

#### 动作电流时间曲线表：



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.

#### 标准包装数量：

Model	Q' t y/Reel
TLC-PSMD010/TLC-PSMD010/24/TLC-PSMD020/TLC-PSMD075/TLC-PSMD100/TLC-PSMD110	3500pcs
TLC-PSMD035/TLC-PSMD050	4500pcs

Note: Reel packaging per EIA-481-1 standard

#### 6、Agency Recognition:



Caution: Operation beyond the rated voltage or current may result in rupture electrical arcing or flame. Specifications are subject to change without notice.

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