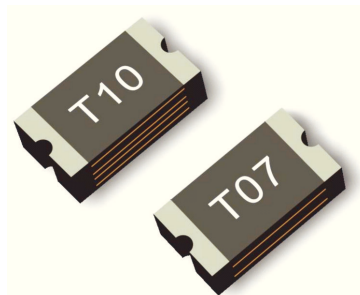


### Features

- ◆ Surface Mount Devices
- ◆ Standard 3216mm(1206mils) footprint
- ◆ Surface mount packaging for automated assembly
- ◆ Compatible with Pb and Pb-free solder Re flow profiles.
- ◆ RoHS, Reach, HF compliance

### Applications

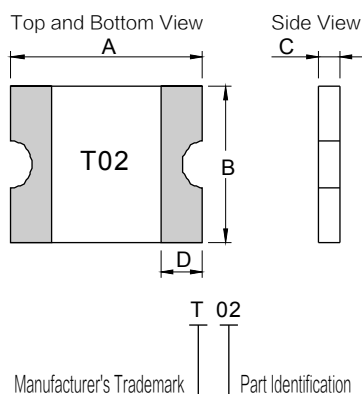
- ◆ Mobile phones– Battery and port protection
- ◆ PC motherboards – Plug and Play protection
- ◆ PDAS/Digital cameras
- ◆ USB port protection
- ◆ HDMI source protection
- ◆ Game console port protection



### 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)	$R_{min}$	$R1_{max}$
KNSMD005	0.05	0.15	30	10	0.25	1.50	0.40	2.500	40.00
KNSMD010	0.10	0.25	30	10	0.50	1.20	0.40	1.400	15.00
KNSMD012	0.12	0.29	30	10	1.00	0.20	0.40	1.350	8.500
KNSMD020	0.20	0.46	24	10	1.00	0.60	0.60	0.600	2.600
KNSMD025	0.25	0.55	16	10	1.25	0.60	0.60	0.400	2.400
KNSMD035	0.35	0.75	6	40	8.00	0.10	0.60	0.300	1.200
KNSMD050	0.50	1.00	13.2	40	8.00	0.10	0.40	0.150	0.750
KNSMD075	0.75	1.50	6	100	8.00	0.10	0.40	0.100	0.400
KNSMD100	1.00	2.00	6	100	8.00	0.10	0.60	0.060	0.280
KNSMD110	1.10	2.20	6	100	8.00	0.10	0.60	0.060	0.280
KNSMD150	1.50	3.00	6	100	8.00	0.30	0.60	0.030	0.170
KNSMD200	2.00	4.00	6	100	8.00	1.00	0.70	0.020	0.120

### 产品尺寸 (Unit: mm)：

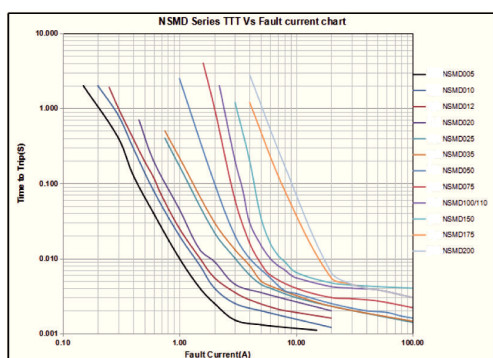


P/N	Marking (标识)	A		B		C		D
		Min.	Max.	Min.	Max.	Min.	Max.	Min.
KNSMD005	T0	3.00	3.40	1.40	1.80	0.80	1.20	0.25
KNSMD010	T1	3.00	3.40	1.40	1.80	0.80	1.20	0.25
KNSMD012	T01	3.00	3.40	1.40	1.80	0.80	1.20	0.25
KNSMD020	T02	3.00	3.40	1.40	1.80	0.60	1.00	0.25
KNSMD025	T03	3.00	3.40	1.40	1.80	0.60	1.00	0.25
KNSMD035	T04	3.00	3.40	1.40	1.80	0.60	1.00	0.25
KNSMD050	T05	3.00	3.40	1.40	1.80	0.55	0.75	0.25
KNSMD075	T07	3.00	3.40	1.40	1.80	0.45	0.85	0.25
KNSMD100	T10	3.00	3.40	1.40	1.80	0.60	1.00	0.25
KNSMD110	T10	3.00	3.40	1.40	1.80	0.60	1.00	0.25
KNSMD150	T15	3.00	3.40	1.40	1.80	0.60	1.00	0.25
KNSMD200	T20	3.00	3.50	1.40	1.80	0.60	1.00	0.25

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℃
KNSMD005	0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03
KNSMD010	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.07	0.06
KNSMD012	0.19	0.17	0.15	0.12	0.11	0.10	0.09	0.08	0.07
KNSMD020	0.30	0.27	0.24	0.20	0.18	0.16	0.14	0.12	0.11
KNSMD025	0.38	0.34	0.30	0.25	0.23	0.20	0.18	0.15	0.14
KNSMD035	0.51	0.46	0.40	0.35	0.30	0.27	0.24	0.22	0.18
KNSMD050	0.76	0.68	0.59	0.50	0.44	0.40	0.35	0.32	0.26
KNSMD075	1.11	1.00	0.85	0.75	0.67	0.61	0.52	0.50	0.42
KNSMD100	1.60	1.40	1.30	1.00	0.90	0.80	0.75	0.70	0.60
KNSMD110	1.64	1.46	1.30	1.10	0.92	0.83	0.80	0.65	0.52
KNSMD150	2.20	1.99	1.77	1.50	1.34	1.23	1.10	1.01	0.84
KNSMD200	2.88	2.61	2.28	2.00	1.80	1.66	1.51	1.39	1.19

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 <sup>1</sup> t y/Reel
KNSMD005~KNSMD012;KNSMD100~KNSMD200	3500pcs
KNSMD020~KNSMD075	4000pcs

Note: Reel packaging per EIA-481-1 standard