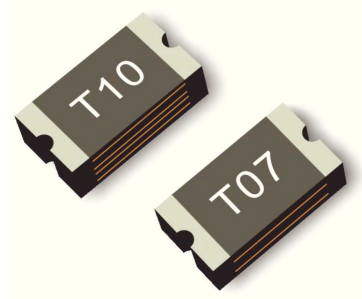


## Features

- ◆ Surface Mount Devices
- ◆ Standard 3216mm(1206mils) footprint
- ◆ Surface mount packaging for automated assembly
- ◆ Compatible with Pb and Pb-free solder Re flow profiles.
- ◆ UL(E352136), C-UL(E352136), TUV(R50306075)
- ◆ RoHS, Reach, HF compliance

## Applications

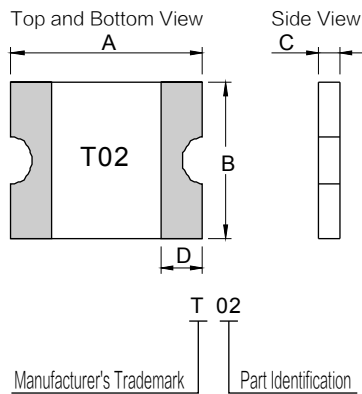
- ◆ Mobile phones– Battery and port protection
- ◆ PC motherboards – Plug and Play protection
- ◆ PDAS/Digital cameras
- ◆ USB port protection
- ◆ HDMI source protection
- ◆ Game console port protection



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) | $R_{min}$ | $R1_{max}$ |
| K1206L005AR | 0.05      | 0.15      | 30            | 10            | 0.25   | 1.50   | 0.40           | 2.500     | 40.00      |
| K1206L010AR | 0.10      | 0.25      | 30            | 10            | 0.50   | 1.20   | 0.40           | 1.400     | 15.00      |
| K1206L012AR | 0.12      | 0.29      | 30            | 10            | 1.00   | 0.20   | 0.40           | 1.350     | 8.500      |
| K1206L020YR | 0.20      | 0.46      | 24            | 10            | 1.00   | 0.60   | 0.60           | 0.600     | 2.600      |
| K1206L025YR | 0.25      | 0.55      | 16            | 10            | 1.25   | 0.60   | 0.60           | 0.400     | 2.400      |
| K1206L035YR | 0.35      | 0.75      | 6             | 40            | 8.00   | 0.10   | 0.60           | 0.300     | 1.200      |
| K1206L050YR | 0.50      | 1.00      | 13.2          | 40            | 8.00   | 0.10   | 0.40           | 0.150     | 0.750      |
| K1206L075YR | 0.75      | 1.50      | 6             | 100           | 8.00   | 0.10   | 0.40           | 0.100     | 0.400      |
| K1206L100AR | 1.00      | 2.00      | 6             | 100           | 8.00   | 0.10   | 0.60           | 0.060     | 0.280      |
| K1206L110AR | 1.10      | 2.20      | 6             | 100           | 8.00   | 0.10   | 0.60           | 0.060     | 0.280      |
| K1206L150AR | 1.50      | 3.00      | 6             | 100           | 8.00   | 0.30   | 0.60           | 0.030     | 0.170      |
| K1206L200AR | 2.00      | 4.00      | 6             | 100           | 8.00   | 1.00   | 0.70           | 0.020     | 0.120      |

产品尺寸 (Unit: mm)：

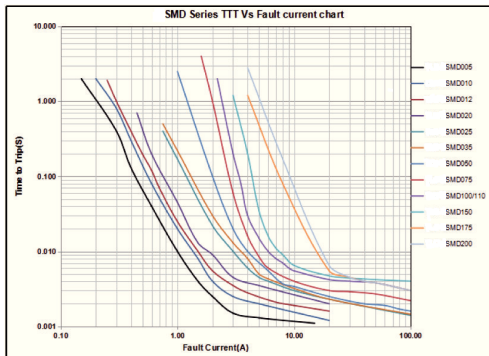


| P/N         | Marking (标识) | A    |      | B    |      | C    |      | D    |
|-------------|--------------|------|------|------|------|------|------|------|
|             |              | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| K1206L005AR | T0           | 3.00 | 3.40 | 1.40 | 1.80 | 0.80 | 1.20 | 0.25 |
| K1206L010AR | T1           | 3.00 | 3.40 | 1.40 | 1.80 | 0.80 | 1.20 | 0.25 |
| K1206L012AR | T01          | 3.00 | 3.40 | 1.40 | 1.80 | 0.80 | 1.20 | 0.25 |
| K1206L020YR | T02          | 3.00 | 3.40 | 1.40 | 1.80 | 0.60 | 1.00 | 0.25 |
| K1206L025YR | T03          | 3.00 | 3.40 | 1.40 | 1.80 | 0.60 | 1.00 | 0.25 |
| K1206L035YR | T04          | 3.00 | 3.40 | 1.40 | 1.80 | 0.60 | 1.00 | 0.25 |
| K1206L050YR | T05          | 3.00 | 3.40 | 1.40 | 1.80 | 0.55 | 0.75 | 0.25 |
| K1206L075YR | T07          | 3.00 | 3.40 | 1.40 | 1.80 | 0.45 | 0.85 | 0.25 |
| K1206L100AR | T10          | 3.00 | 3.40 | 1.40 | 1.80 | 0.60 | 1.00 | 0.25 |
| K1206L110AR | T10          | 3.00 | 3.40 | 1.40 | 1.80 | 0.60 | 1.00 | 0.25 |
| K1206L150AR | T15          | 3.00 | 3.40 | 1.40 | 1.80 | 0.60 | 1.00 | 0.25 |
| K1206L200AR | 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℃  |
| K1206L005AR | 0.08   | 0.07 | 0.06 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | 0.03 |
| K1206L010AR | 0.16   | 0.14 | 0.13 | 0.10 | 0.09 | 0.08 | 0.08 | 0.07 | 0.06 |
| K1206L012AR | 0.19   | 0.17 | 0.15 | 0.12 | 0.11 | 0.10 | 0.09 | 0.08 | 0.07 |
| K1206L020YR | 0.30   | 0.27 | 0.24 | 0.20 | 0.18 | 0.16 | 0.14 | 0.12 | 0.11 |
| K1206L025YR | 0.38   | 0.34 | 0.30 | 0.25 | 0.23 | 0.20 | 0.18 | 0.15 | 0.14 |
| K1206L035YR | 0.51   | 0.46 | 0.40 | 0.35 | 0.30 | 0.27 | 0.24 | 0.22 | 0.18 |
| K1206L050YR | 0.76   | 0.68 | 0.59 | 0.50 | 0.44 | 0.40 | 0.35 | 0.32 | 0.26 |
| K1206L075YR | 1.11   | 1.00 | 0.85 | 0.75 | 0.67 | 0.61 | 0.52 | 0.50 | 0.42 |
| K1206L100AR | 1.60   | 1.40 | 1.30 | 1.00 | 0.90 | 0.80 | 0.75 | 0.70 | 0.60 |
| K1206L110AR | 1.64   | 1.46 | 1.30 | 1.10 | 0.92 | 0.83 | 0.80 | 0.65 | 0.52 |
| K1206L150AR | 2.20   | 1.99 | 1.77 | 1.50 | 1.34 | 1.23 | 1.10 | 1.01 | 0.84 |
| K1206L200AR | 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 |
|---|-------------------------|
| K1206L005AR~K1206L012AR K1206L100AR~K1206L200AR | 3500pcs                 |
| K1206L020AYR~K1206L075YR                        | 4000pcs                 |

Note: Reel packaging per EIA-481-1 standard