

## Resettable Fuse PTC

### Features

Radial leaded devices.

Over-current protection

High voltage surge capabilities

Flame retardant epoxy polymer insulating material meets UL94 V-0 requirement.

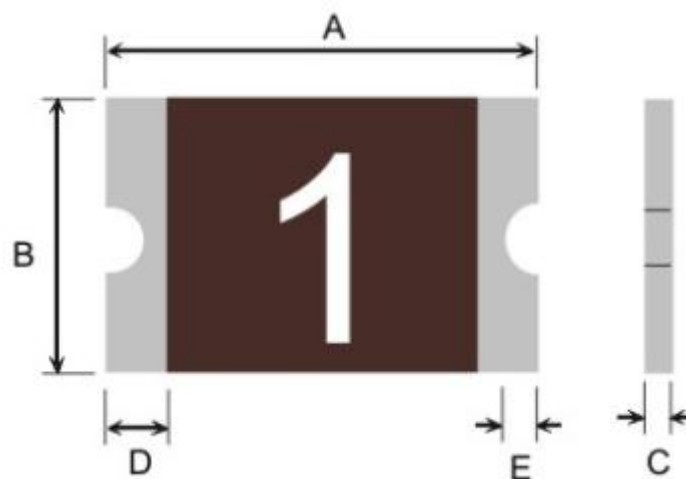
Available in lead-free version.

Meets MSL level 1, per J-STD-020



Dimensions(2012mm / 0805 mils) Unit: mm

Fast Delivery Time



| Model          | A    |      | B    |      | C    |      | D    | E(max) |
|----------------|------|------|------|------|------|------|------|--------|
|                | Min  | max  | Min  | Max  | Min  | Max  | Min  | Min    |
| JK-SMD0805-010 | 2.00 | 2.20 | 1.20 | 1.50 | 0.50 | 1.00 | 0.20 | 0.10   |
| JK-SMD0805-020 | 2.00 | 2.20 | 1.20 | 1.50 | 0.45 | 1.00 | 0.20 | 0.10   |
| JK-SMD0805-035 | 2.00 | 2.20 | 1.20 | 1.50 | 0.45 | 1.00 | 0.20 | 0.10   |
| JK-SMD0805-050 | 2.00 | 2.20 | 1.20 | 1.50 | 0.30 | 1.25 | 0.20 | 0.10   |
| JK-SMD0805-075 | 2.00 | 2.20 | 1.20 | 1.50 | 0.40 | 1.25 | 0.20 | 0.10   |
| JK-SMD0805-100 | 2.00 | 2.20 | 1.20 | 1.50 | 0.50 | 1.25 | 0.20 | 0.10   |
| JK-SMD0805-110 | 2.00 | 2.20 | 1.20 | 1.50 | 0.50 | 1.25 | 0.20 | 0.10   |
| JK-SMD0805-125 | 2.00 | 2.20 | 1.20 | 1.50 | 0.50 | 1.80 | 0.20 | 0.10   |

## Electrical characteristics(25℃)

| Part Number    | I <sub>h</sub><br>(A) | I <sub>t</sub> (A) | V <sub>max</sub> (<br>V) | I <sub>max</sub><br>(A) | P <sub>d</sub> (W) | Trip<br>Current(A) | Trip<br>Time(S) | R <sub>min</sub><br>(Ω) | R <sub>1max</sub><br>(Ω) |
|----------------|-----------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------|-----------------|-------------------------|--------------------------|
| JK-SMD0805-010 | 0.10                  | 0.30               | 15.0                     | 100                     | 0.5                | 0.5                | 1.50            | 1.000                   | 6.000                    |
| JK-SMD0805-020 | 0.20                  | 0.50               | 9.0                      | 100                     | 0.5                | 8.0                | 0.02            | 0.650                   | 3.500                    |
| JK-SMD0805-035 | 0.35                  | 0.75               | 6.0                      | 100                     | 0.5                | 8.0                | 0.10            | 0.250                   | 1.200                    |
| JK-SMD0805-050 | 0.50                  | 1.00               | 6.0                      | 100                     | 0.5                | 8.0                | 0.10            | 0.150                   | 0.850                    |
| JK-SMD0805-075 | 0.75                  | 1.50               | 6.0                      | 40                      | 0.6                | 8.0                | 0.20            | 0.090                   | 0.385                    |
| JK-SMD0805-100 | 1.00                  | 1.95               | 6.0                      | 100                     | 0.6                | 8.0                | 0.30            | 0.060                   | 0.230                    |
| JK-SMD0805-110 | 1.00                  | 2.20               | 6.0                      | 100                     | 0.6                | 8.0                | 0.30            | 0.060                   | 0.210                    |
| JK-SMD0805-125 | 1.25                  | 2.50               | 6.0                      | 100                     | 1.5                | 8.0                | 0.60            | 0.030                   | 0.140                    |

I<sub>H</sub> = Hold current: maximum current device will pass without tripping in 25℃ still air.

- I<sub>T</sub> = Trip current: minimum current at which the device will trip in 25℃ still air.
- V<sub>MAXI</sub> = Maximum interrupt voltage device can withstand without damage at rated current.
- I<sub>MAX</sub> = Maximum fault current device can withstand without damage at rated voltage.
- R<sub>MAX</sub> = Maximum resistance of device in initial (un-soldered) state.
- R<sub>MIN</sub> = Minimum resistance of device in initial (un-soldered) state.

Packing quantity: 010,020,035,050, 5000PCS/Reel

Packing quantity: 075,100,110,125, 4000PCS/Reel



Operating temperature: -40℃ ~+85℃

Specifications are subject to change without notice

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