

## Resettable Fuse PTC

### Features

Radial leaded devices.

Over-current protection

High voltage surge capabilities

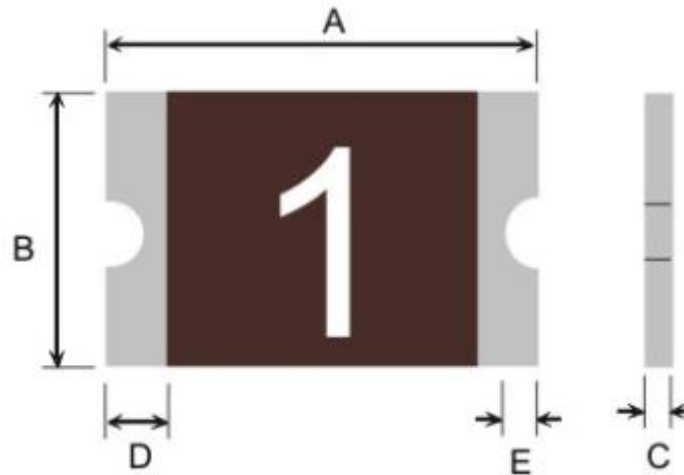
Flame retardant epoxy polymer insulating material meets UL94 V-0 requirement.

Available in lead-free version.

Meets MSL level 1, per J-STD-020



### Dimensions(1608mm / 0603 mils) Unit: mm



| Part Number    | Marking | A    |      | B    |      | C   |      | D    |      | E    |
|----------------|---------|------|------|------|------|-----|------|------|------|------|
|                |         | Min  | max  | Min  | Max  | Min | Max  | Min  | Max  | Max  |
| JK-SMD0603-005 | 1       | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 0.75 | 0.15 | 0.50 | 0.40 |
| JK-SMD0603-010 | 1       | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 0.75 | 0.15 | 0.50 | 0.40 |
| JK-SMD0603-020 | 2       | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 0.75 | 0.15 | 0.50 | 0.40 |
| JK-SMD0603-025 | 3       | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 0.75 | 0.15 | 0.50 | 0.40 |
| JK-SMD0603-030 | 5       | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 0.75 | 0.15 | 0.50 | 0.40 |
| JK-SMD0603-035 | 5       | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 0.75 | 0.15 | 0.50 | 0.40 |

## Electrical characteristics(25°C)

| 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> (<br>W) | Trip<br>Current(<br>A) | Trip<br>Time(S<br>) | R <sub>min</sub><br>(Ω) | R <sub>1max</sub><br>(Ω) |
|--------------------------------|-----------------------|--------------------|--------------------------|-------------------------|------------------------|------------------------|---------------------|-------------------------|--------------------------|
| <a href="#">JK-SMD0603-005</a> | 0.05                  | 0.15               | 24.0                     | 20                      | 0.50                   | 0.2                    | 1                   | 3.0                     | 35.00                    |
| <a href="#">JK-SMD0603-010</a> | 0.10                  | 0.30               | 15.0                     | 40                      | 0.50                   | 0.5                    | 1                   | 0.9                     | 8.00                     |
| <a href="#">JK-SMD0603-020</a> | 0.20                  | 0.40               | 9.0                      | 40                      | 0.50                   | 1.0                    | 0.6                 | 0.55                    | 3.50                     |
| <a href="#">JK-SMD0603-025</a> | 0.25                  | 0.55               | 9.0                      | 40                      | 0.50                   | 8.0                    | 0.08                | 0.50                    | 3.00                     |
| <a href="#">JK-SMD0603-030</a> | 0.30                  | 0.70               | 6.0                      | 40                      | 0.50                   | 8.0                    | 0.1                 | 0.30                    | 2.00                     |
| <a href="#">JK-SMD0603-035</a> | 0.35                  | 0.75               | 6.0                      | 40                      | 0.50                   | 8.0                    | 0.1                 | 0.20                    | 1.40                     |

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

- I<sub>T</sub> = Trip current: minimum current at which the device will trip in 25°C 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:

| Part number                    | Quantity | Part number                    | Quantity |
|--------------------------------|----------|--------------------------------|----------|
| <a href="#">JK-SMD0603-005</a> | 5000pcs  | <a href="#">JK-SMD0603-025</a> | 5000pcs  |
| <a href="#">JK-SMD0603-010</a> | 5000pcs  | <a href="#">JK-SMD0603-030</a> | 4000pcs  |
| <a href="#">JK-SMD0603-020</a> | 5000pcs  | <a href="#">JK-SMD0603-035</a> | 4000pcs  |



Operating temperature: -40°C ~+85°C

Specifications are subject to change without notice

sales@huaandz.com