

Resettable Fuse PTC(Low resistance)

Features

Radial leaded devices.

Over-current protection

High voltage surge capabilities

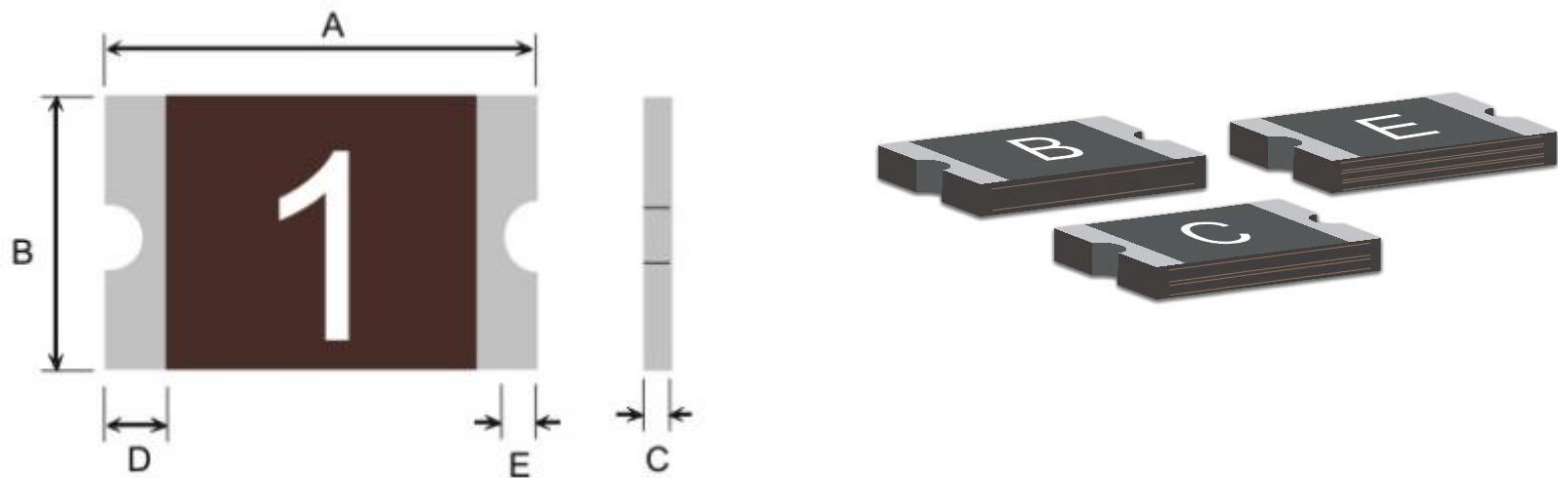
Flame retardant epoxy polymer insulating material meets UL94 V-0 requirement.

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 | |
| JK-SMD-0603-035L | A | 1.45 | 1.85 | 0.65 | 1.05 | 0.3 | 0.7 | 0.15 | | 0.1 |
| JK-SMD-0603-050L | A | 1.45 | 1.85 | 0.65 | 1.05 | 0.3 | 0.7 | 0.15 | | 0.1 |
| JK-SMD-0603-075L | A | 1.45 | 1.85 | 0.65 | 1.05 | 0.3 | 0.7 | 0.15 | | 0.1 |
| JK-SMD-0603-100L | B | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 1.0 | 0.15 | | 0.1 |
| JK-SMD-0603-125L | B | 1.45 | 1.85 | 0.65 | 1.05 | 0.4 | 1.0 | 0.15 | | 0.1 |
| JK-SMD-0603-150L | C | 1.45 | 1.85 | 0.65 | 1.05 | 0.5 | 1.2 | 0.15 | | 0.1 |
| JK-SMD-0603-175L | C | 1.45 | 1.85 | 0.65 | 1.05 | 0.5 | 1.2 | 0.15 | | 0.1 |
| JK-SMD-0603-200L | C | 1.45 | 1.85 | 0.65 | 1.05 | 0.7 | 1.4 | 0.15 | | 0.1 |
| JK-SMD-0603-260L | E | 1.45 | 1.85 | 0.65 | 1.05 | 0.7 | 1.4 | 0.15 | | 0.1 |
| JK-SMD-0603-300L | E | 1.45 | 1.85 | 0.65 | 1.05 | 0.7 | 1.4 | 0.15 | | 0.1 |

Electrical characteristics(25°C)

| Part Number | I _H (A) | I _T (A) | V _{max} (V) | I _{max} (A) | Pd(W) | Trip Current(A) | Trip Time(S) | R _{min} (Ω) | R _{1max} (Ω) |
|------------------|--------------------|--------------------|----------------------|----------------------|-------|-----------------|--------------|----------------------|-----------------------|
| JK-SMD-0603-035L | 0.35 | 0.70 | 6.0 | 50 | 0.50 | 8.0 | 0.1 | 0.15 | 1.0 |
| JK-SMD-0603-050L | 0.5 | 1.0 | 6.0 | 50 | 0.50 | 8.0 | 0.6 | 0.07 | 0.4 |
| JK-SMD-0603-075L | 0.75 | 1.5 | 6.0 | 50 | 0.50 | 8.0 | 1.0 | 0.055 | 0.25 |
| JK-SMD-0603-100L | 1.0 | 2.0 | 6.0 | 50 | 0.50 | 8.0 | 2.0 | 0.045 | 0.12 |
| JK-SMD-0603-125L | 1.25 | 2.5 | 6.0 | 50 | 0.50 | 8.0 | 3.0 | 0.035 | 0.1 |
| JK-SMD-0603-150L | 1.5 | 3.0 | 6.0 | 50 | 0.50 | 8.0 | 4.0 | 0.025 | 0.08 |
| JK-SMD-0603-175L | 1.75 | 3.5 | 6.0 | 50 | 0.50 | 8.0 | 5.0 | 0.015 | 0.07 |
| JK-SMD-0603-200L | 2.0 | 4.0 | 6.0 | 50 | 0.50 | 8.0 | 5.0 | 0.012 | 0.06 |
| JK-SMD-0603-260L | 2.6 | 5.2 | 6.0 | 50 | 0.50 | 8.0 | 5.0 | 0.008 | 0.05 |
| JK-SMD-0603-300L | 3.0 | 6.0 | 6.0 | 50 | 0.50 | 8.0 | 5.0 | 0.008 | 0.04 |

I_H = Hold current: maximum current device will pass without tripping in 25°C still air.

- I_T = Trip current: minimum current at which the device will trip in 25°C still air.
- V_{MAXI} = Maximum interrupt voltage device can withstand without damage at rated current.
- I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.
- R_{MAX} = Maximum resistance of device in initial (un-soldered) state.
- R_{MIN} = Minimum resistance of device in initial (un-soldered) state.

Packing quantity:

| Part number | Packing QTY | Part number | Packing QTY |
|------------------|-------------|------------------|-------------|
| JK-SMD-0603-035L | 5000pcs | JK-SMD-0603-150L | 4000pcs |
| JK-SMD-0603-050L | 5000pcs | JK-SMD-0603-175L | 4000pcs |
| JK-SMD-0603-075L | 5000pcs | JK-SMD-0603-200L | 4000pcs |
| JK-SMD-0603-100L | 4000pcs | JK-SMD-0603-260L | 4000pcs |
| JK-SMD-0603-125L | 4000pcs | JK-SMD-0603-300L | 4000pcs |



Operating temperature: -40°C ~+85°C

Specifications are subject to change without notice

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