

Resettable Fuse PTC

Features

Radial leaded devices.

Over-current protection

High voltage surge capabilities

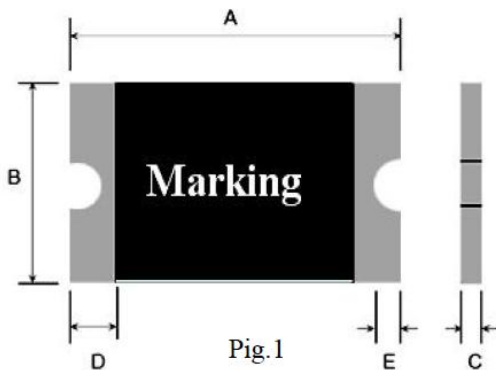
Flame retardant epoxy polymer insulating material meets UL94 V-0 requirement.

Available in lead-free version.

Meets MSL level 1, per J-STD-020



Dimensions(7555mm / 2920 mils) Unit: mm



JK-SMD100L Picture

| Part Number | Marking | | | B | | C | | D | E |
|---------------|---------|------|------|------|------|------|------|------|------|
| | | Min | max | Min | Max | Min | Max | Min | Min |
| JK-SMD030L | JK030L | 6.73 | 7.98 | 4.80 | 5.44 | 0.60 | 1.15 | 0.30 | 0.15 |
| JK-SMD050L | JK050L | 6.73 | 7.98 | 4.80 | 5.44 | 0.60 | 1.15 | 0.30 | 0.15 |
| JK-SMD075L | JK075L | 6.73 | 7.98 | 4.80 | 5.44 | 0.60 | 1.15 | 0.30 | 0.15 |
| JK-SMD100L | JK100L | 6.73 | 7.98 | 4.80 | 5.44 | 0.40 | 1.00 | 0.30 | 0.15 |
| JK-SMD125L | JK125L | 6.73 | 7.98 | 4.80 | 5.44 | 0.40 | 0.90 | 0.30 | 0.15 |
| JK-SMD150L | JK150L | 6.73 | 7.98 | 4.80 | 5.44 | 0.40 | 0.90 | 0.30 | 0.15 |
| JK-SMD185L | JK185L | 6.73 | 7.98 | 4.80 | 5.44 | 0.30 | 1.20 | 0.30 | 0.15 |
| JK-SMD200L | JK200L | 6.73 | 7.98 | 4.80 | 5.44 | 0.30 | 0.90 | 0.30 | 0.15 |
| JK-SMD200L-24 | JK200L | 6.73 | 7.98 | 4.80 | 5.44 | 0.30 | 0.90 | 0.30 | 0.15 |
| JK-SMD250L | JK250L | 6.73 | 7.98 | 4.80 | 5.44 | 0.30 | 0.90 | 0.30 | 0.15 |
| JK-SMD260L | JK260L | 6.73 | 7.98 | 4.80 | 5.44 | 0.30 | 0.90 | 0.30 | 0.15 |
| JK-SMD300L-6 | JK300L | 6.73 | 7.98 | 4.80 | 5.44 | 0.30 | 1.30 | 0.30 | 0.15 |
| JK-SMD300L-16 | JK300L | 6.73 | 7.98 | 4.80 | 5.44 | 0.30 | 1.30 | 0.30 | 0.15 |

Electrical characteristics(25°C)

| Part Number | Ih (A) | It(A) | Vmax(V) | I _{max} (A) | Pd(W) | Trip Current(A) | Trip Time(S) | Rmin (Ω) | R1max (Ω) |
|---------------|--------|-------|---------|----------------------|-------|-----------------|--------------|----------|-----------|
| JK-SMD030L | 0.30 | 0.60 | 60 | 100 | 1.5 | 1.5 | 3.0 | 0.600 | 4.800 |
| JK-SMD050L | 0.50 | 1.00 | 60 | 100 | 1.5 | 2.5 | 4.0 | 0.180 | 1.400 |
| JK-SMD075L | 0.75 | 1.50 | 33 | 100 | 1.5 | 8.0 | 0.3 | 0.100 | 1.000 |
| JK-SMD100L | 1.00 | 2.20 | 33 | 100 | 1.5 | 8.0 | 0.5 | 0.065 | 0.410 |
| JK-SMD125L | 1.25 | 2.50 | 33 | 100 | 1.5 | 8.0 | 2.0 | 0.050 | 0.250 |
| JK-SMD150L | 1.50 | 3.00 | 33 | 100 | 1.5 | 8.0 | 2.0 | 0.035 | 0.230 |
| JK-SMD185L | 1.85 | 3.70 | 33 | 100 | 1.5 | 8.0 | 2.5 | 0.030 | 0.150 |
| JK-SMD200L | 2.00 | 4.00 | 16 | 100 | 1.5 | 8.0 | 4.5 | 0.020 | 0.120 |
| JK-SMD200L-24 | 2.00 | 4.00 | 24 | 100 | 1.5 | 8.0 | 4.5 | 0.020 | 0.120 |
| JK-SMD250L | 2.50 | 5.00 | 16 | 100 | 1.5 | 8.0 | 16.0 | 0.020 | 0.085 |
| JK-SMD260L | 2.60 | 5.20 | 16 | 100 | 1.5 | 8.0 | 10.0 | 0.014 | 0.075 |
| JK-SMD300L-16 | 3.00 | 6.00 | 16 | 100 | 1.5 | 8.0 | 20.0 | 0.012 | 0.048 |
| JK-SMD300L-6 | 3.00 | 6.00 | 6 | 100 | 1.5 | 8.0 | 20.0 | 0.012 | 0.050 |

- 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.

Operating temperature: -40°C ~+85°C

Packing quantity:

| Part Number | Quantity | Part Number | Quantity |
|-------------|----------|---------------|----------|
| JK-SMD030L | 2000pcs | JK-SMD200L | 2000pcs |
| JK-SMD050L | 2000pcs | JK-SMD200L-24 | 1500pcs |
| JK-SMD075L | 2000pcs | JK-SMD250L | 2000pcs |
| JK-SMD100L | 2000pcs | JK-SMD260L | 2000pcs |
| JK-SMD125L | 2000pcs | JK-SMD300L-16 | 1500pcs |
| JK-SMD150L | 2000pcs | JK-SMD300L-6 | 2000pcs |



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|-------------------|----------------|--|--|
| JK-SMD185L | 1500pcs | | |
|-------------------|----------------|--|--|

Specifications are subject to change without notice

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