

## Resettable Fuse PTC

### Features

Radial leaded devices.

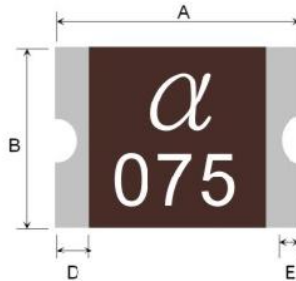
Over-current protection

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



JK-mSMD110 Picture

### Dimensions(4532mm/ 1812 mils) Unit: mm

Part number	Marking	A		B		C		D	E
		Min	max	Min	Max	Min	Max	Min	Min
JK-mSMD010	JK010	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.15
JK-mSMD010-60	JK010	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.15
JK-mSMD014-33	JK014	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.15
JK-mSMD014	JK014	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.15
JK-mSMD020	JK020	4.37	4.73	3.07	3.41	0.50	1.10	0.30	0.15
JK-mSMD030	JK030	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.15
JK-mSMD050	JK050	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.15
JK-mSMD050-24	JK050	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.15
JK-mSMD050-30	JK050	4.37	4.73	3.07	3.41	0.40	1.00	0.30	0.15
JK-mSMD075	JK075	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.15
JK-mSMD075-24	JK075	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.15
JK-mSMD075-33	JK075	4.37	4.73	3.07	3.41	0.60	1.20	0.30	0.15
JK-mSMD110	JK110	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.15
JK-mSMD110-16	JK110	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.15
JK-mSMD110-24	JK110	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
JK-mSMD110-33	JK110	4.37	4.73	3.07	3.41	0.70	1.70	0.30	0.15
JK-mSMD125	JK125	4.37	4.73	3.07	3.41	0.50	0.12	0.30	0.15
JK-mSMD125-8	JK125	4.37	4.73	3.07	3.41	0.30	0.90	0.30	0.15
JK-mSMD150	JK150	4.37	4.73	3.07	3.41	0.30	0.90	0.30	0.15
JK-mSMD150-16	JK150	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.15
JK-mSMD150-24	JK150	4.37	4.73	3.07	3.41	0.80	1.7	0.30	0.15
JK-mSMD160	JK160	4.37	4.73	3.07	3.41	0.30	0.80	0.30	0.15
JK-mSMD200	JK200	4.37	4.73	3.07	3.41	0.40	1.20	0.30	0.15

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		Min	max	Min	Max	Min	Max	Min	Min
JK-mSMD200-12	JK200	4.37	4.73	3.07	3.41	0.40	1.20	0.30	0.15
JK-mSMD200-16	JK200	4.37	4.73	3.07	3.41	0.40	1.20	0.30	0.15
JK-mSMD260	JK260	4.37	4.73	3.07	3.41	0.50	1.50	0.30	0.15
JK-mSMD260-12	JK260	4.37	4.73	3.07	3.41	0.60	1.50	0.30	0.15
JK-mSMD260-16	JK260	4.37	4.73	3.07	3.41	0.80	1.70	0.30	0.15
JK-mSMD300	JK300	4.37	4.73	3.07	3.41	0.50	1.50	0.30	0.15
JK-mSMD350	JK350	4.37	4.73	3.07	3.41	0.50	1.50	0.30	0.15

## Electrical characteristics(25°C)

Part Number	Vmax (V)	I <sub>max</sub> (A)	I <sub>hold</sub> (A)	I <sub>trip</sub> (A)	Trip Current (A)	Trip Time(S)	R <sub>min</sub> (Ω)	R <sub>1max</sub> (Ω)
JK-mSMD010	30.0	100	0.10	0.30	0.5	1.50	0.750	15.000
JK-mSMD010-60	60.0	100	0.10	0.30	0.5	1.50	0.750	15.000
JK-mSMD014-33	33.0	100	0.14	0.34	1.5	0.15	0.650	6.000
JK-mSMD014	60.0	100	0.14	0.34	1.5	0.15	0.650	6.000
JK-mSMD020	30.0	100	0.20	0.40	8.0	0.02	0.350	5.000
JK-mSMD030	30.0	100	0.30	0.60	8.0	0.10	0.250	3.000
JK-mSMD050	15.0	100	0.50	1.00	8.0	0.15	0.150	1.000
JK-mSMD050-24	24.0	100	0.50	1.00	8.0	0.15	0.150	1.000
JK-mSMD050-30	30.0	100	0.50	1.00	8.0	0.15	0.150	1.000
JK-mSMD075	13.2	100	0.75	1.50	8.0	0.20	0.090	0.450
JK-mSMD075-24	24.0	100	0.75	1.50	8.0	0.20	0.090	0.450
JK-mSMD075-33	33.0	100	0.75	1.50	8.0	0.20	0.090	0.450
JK-mSMD110	8.0	100	1.10	2.20	8.0	0.30	0.050	0.250
JK-mSMD110-16	16.0	100	1.10	2.20	8.0	0.30	0.050	0.250
JK-mSMD110-24	24.0	100	1.10	2.20	8.0	0.30	0.050	0.250
JK-mSMD110-33	33.0	100	1.10	2.20	8.0	0.30	0.050	0.250
JK-mSMD125-8	8.0	100	1.25	2.50	8.0	0.40	0.050	0.200
JK-mSMD125	16.0	100	1.25	2.50	8.0	0.40	0.050	0.200
JK-mSMD150	8.0	100	1.50	3.00	8.0	0.50	0.040	0.160
JK-mSMD150-16	16.0	100	1.50	3.00	8.0	0.50	0.040	0.160
JK-mSMD150-24	24.0	100	1.50	3.00	8.0	0.50	0.040	0.160
JK-mSMD160	8.0	100	1.60	2.80	8.0	1.00	0.030	0.130

<b>JK-mSMD200</b>	8.0	100	2.00	4.00	8.0	2.00	0.020	0.100
<b>JK-mSMD200-12</b>	12.0	100	2.00	4.00	8.0	2.00	0.020	0.100
<b>JK-mSMD200-16</b>	16.0	100	2.00	4.00	8.0	2.00	0.020	0.100
<b>JK-mSMD260</b>	8.0	100	2.60	5.00	8.0	2.50	0.015	0.050
<b>JK-mSMD260-12</b>	12.0	100	2.60	5.00	8.0	2.50	0.015	0.060
<b>JK-mSMD260-16</b>	16.0	100	2.60	5.00	8.0	2.50	0.015	0.060
<b>JK-mSMD300</b>	8.0	100	3.00	5.00	8.0	4.00	0.012	0.040

- $I_H$  = 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	Quantity	Part Number	Quantity
<b>JK-mSMD010</b>	<b>1500pcs</b>	<b>JK-mSMD110-33</b>	<b>1500pcs</b>
<b>JK-mSMD010-60</b>	<b>1500pcs</b>	<b>JK-mSMD125-8</b>	<b>2000pcs</b>
<b>JK-mSMD014-33</b>	<b>1500pcs</b>	<b>JK-mSMD125</b>	<b>1500pcs</b>
<b>JK-mSMD014</b>	<b>1500pcs</b>	<b>JK-mSMD150</b>	<b>2000pcs</b>
<b>JK-mSMD020</b>	<b>1500pcs</b>	<b>JK-mSMD150-16</b>	<b>1500pcs</b>
<b>JK-mSMD030</b>	<b>1500pcs</b>	<b>JK-mSMD150-24</b>	<b>1500pcs</b>
<b>JK-mSMD050</b>	<b>2000pcs</b>	<b>JK-mSMD160</b>	<b>2000pcs</b>
<b>JK-mSMD050-24</b>	<b>2000pcs</b>	<b>JK-mSMD200</b>	<b>2000pcs</b>
<b>JK-mSMD050-30</b>	<b>2000pcs</b>	<b>JK-mSMD200-12</b>	<b>1500pcs</b>
<b>JK-mSMD075</b>	<b>2000pcs</b>	<b>JK-mSMD200-16</b>	<b>1500pcs</b>
<b>JK-mSMD075-24</b>	<b>2000pcs</b>	<b>JK-mSMD260</b>	<b>1500pcs</b>
<b>JK-mSMD075-33</b>	<b>1500pcs</b>	<b>JK-mSMD260-12</b>	<b>1500pcs</b>

Specifications are subject to change without notice

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