

Resettable Fuse PTC (Low resistance)

Features

Radial leaded devices.

Over-current protection

High voltage surge capabilities, Operating temperature: -40°C ~+85°C

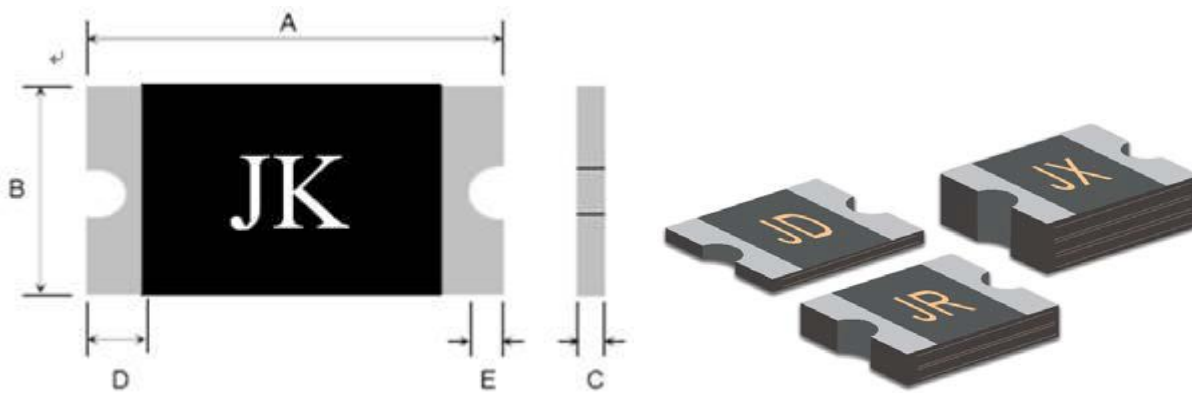
Flame retardant epoxy polymer insulating material meets UL94 V-0 requirement.

Available in lead-free version.

Meets MSL level 1, per J-STD-020



Dimensions(3225mm / 1210 mils) Unit: mm



Part Number	Marking	A		B		C		D	E
		Min	max	Min	Max	Min	Max	Min	Min
JK-SMD1210-150L	JC	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-150L-12	JC	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-175L	JC	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-175L-12	JC	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-190L	JD	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-190L-12	JD	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-200L	JD	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-200L-12	JD	3.0	3.43	2.35	2.8	0.3	0.7	0.25	0.1
JK-SMD1210-260L	JL	3.0	3.43	2.35	2.8	0.4	1.0	0.25	0.1
JK-SMD1210-260L-12	JL	3.0	3.43	2.35	2.8	0.4	1.0	0.25	0.1
JK-SMD1210-300L	JL	3.0	3.43	2.35	2.8	0.4	1.0	0.25	0.1
JK-SMD1210-300L-12	JL	3.0	3.43	2.35	2.8	0.4	1.0	0.25	0.1

Dimensions(3225mm / 1210 mils) Unit: mm

Part Number	Marking	A		B		C		D	E
		Min	max	Min	Max	Min	Max	Min	Min
JK-SMD1210-350L-12	JO	3.0	3.43	2.35	2.8	0.4	1.2	0.25	0.1
JK-SMD1210-350L-12	JO	3.0	3.43	2.35	2.8	0.4	1.2	0.25	0.1
JK-SMD1210-380L-12	JO	3.0	3.43	2.35	2.8	0.4	1.2	0.25	0.1
JK-SMD1210-380L-12	JO	3.0	3.43	2.35	2.8	0.4	1.2	0.25	0.1
JK-SMD1210-400L-12	JR	3.0	3.43	2.35	2.8	0.5	1.2	0.25	0.1
JK-SMD1210-400L-12	JR	3.0	3.43	2.35	2.8	0.5	1.2	0.25	0.1
JK-SMD1210-450L-12	JR	3.0	3.43	2.35	2.8	0.5	1.4	0.25	0.1
JK-SMD1210-450L-12	JR	3.0	3.43	2.35	2.8	0.5	1.4	0.25	0.1
JK-SMD1210-500L-12	JP	3.0	3.43	2.35	2.8	0.5	1.4	0.25	0.1
JK-SMD1210-500L-12	JP	3.0	3.43	2.35	2.8	0.5	1.4	0.25	0.1
JK-SMD1210-550L-12	JP	3.0	3.43	2.35	2.8	0.5	1.4	0.25	0.1
JK-SMD1210-550L-12	JP	3.0	3.43	2.35	2.8	0.5	1.4	0.25	0.1
JK-SMD1210-600L-12	JT	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1
JK-SMD1210-600L-12	JT	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1
JK-SMD1210-650L-12	JT	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1
JK-SMD1210-650L-12	JT	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1
JK-SMD1210-700L-12	JX	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1
JK-SMD1210-700L-12	JX	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1
JK-SMD1210-750L-12	JX	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1
JK-SMD1210-750L-12	JX	3.0	3.43	2.35	2.8	0.5	1.6	0.25	0.1

Electrical characteristics(25°C)

Part Number	lh (A)	lt (A)	Vmax (V)	I _{max} (A)	Pd(W)	Trip Current(A)	Trip Time(S)	Rmin (Ω)	R1max (Ω)
JK-SMD1210-150L	1.5	3.0	6	50	0.8	8.0	2.0	0.01	0.06
JK-SMD1210-150L-12	1.5	3.0	12	50	0.8	8.0	2.0	0.01	0.06
JK-SMD1210-175L	1.75	3.5	6	50	0.8	8.0	2.0	0.005	0.04
JK-SMD1210-175L-12	1.75	3.5	12	50	0.8	8.0	2.0	0.005	0.04

Electrical characteristics(25°C)

Part Number	Ih (A)	It (A)	Vmax (V)	Imax (A)	Pd(W)	Trip Current(A)	Trip Time(S)	Rmin (Ω)	R1max (Ω)
JK-SMD1210-190L	1.9	3.8	6	50	0.8	8.0	3.0	0.006	0.037
JK-SMD1210-190L-12	1.9	3.8	12	50	0.8	8.0	3.0	0.006	0.037
JK-SMD1210-200L	2.0	4.0	6	50	0.8	8.0	3.0	0.006	0.035
JK-SMD1210-200L-12	2.0	4.0	12	50	0.8	8.0	3.0	0.006	0.035
JK-SMD1210-260L	2.6	5.2	6	50	0.8	13.0	2.0	0.003	0.025
JK-SMD1210-260L-12	2.6	5.2	12	50	0.8	13.0	2.0	0.003	0.025
JK-SMD1210-300L	3.0	6.0	6	50	0.8	15.0	2.0	0.003	0.02
JK-SMD1210-300L-12	3.0	6.0	12	50	0.8	15.0	2.0	0.003	0.02
JK-SMD1210-350L	3.5	7.0	6	50	0.8	17.5	2.0	0.002	0.018
JK-SMD1210-350L-12	3.5	7.0	12	50	0.8	17.5	2.0	0.002	0.018
JK-SMD1210-380L	3.8	7.6	6	50	0.8	19.0	2.0	0.002	0.016
JK-SMD1210-380L-12	3.8	7.6	12	50	0.8	19.0	2.0	0.002	0.016
JK-SMD1210-400L	4.0	8.0	6	50	0.8	20.0	2.0	0.002	0.014
JK-SMD1210-400L-12	4.0	8.0	12	50	0.8	20.0	2.0	0.002	0.014
JK-SMD1210-450L	4.5	9.0	6	50	1.0	22.5	2.0	0.001	0.013
JK-SMD1210-450L-12	4.5	9.0	12	50	1.0	22.5	2.0	0.001	0.013
JK-SMD1210-500L	5.0	10.0	6	50	1.0	25.0	2.0	0.001	0.012
JK-SMD1210-500L-12	5.0	10.0	12	50	1.0	25.0	2.0	0.001	0.012
JK-SMD1210-550L	5.5	11.0	6	50	1.0	27.5	2.0	0.001	0.011
JK-SMD1210-550L-12	5.5	11.0	12	50	1.0	27.5	2.0	0.001	0.011
JK-SMD1210-600L	6.0	12.0	6	50	1.2	30.0	2.0	0.001	0.010
JK-SMD1210-600L-12	6.0	12.0	12	50	1.2	30.0	2.0	0.001	0.010
JK-SMD1210-650L	6.5	13.0	6	50	1.2	32.5	2.0	0.001	0.009
JK-SMD1210-650L-12	6.5	13.0	12	50	1.2	32.5	2.0	0.001	0.009

Electrical characteristics(25°C)

Part Number	I _H (A)	I _T (A)	V _{max} (V)	I _{max} (A)	P _d (W)	Trip Current(A)	Trip Time(S)	R _{min} (Ω)	R _{1max} (Ω)
JK-SMD1210-700L	7.0	14.0	6	50	1.2	35.0	2.0	0.001	0.008
JK-SMD1210-700L-12	7.0	14.0	12	50	1.2	35.0	2.0	0.001	0.008
JK-SMD1210-750L	7.5	15.0	6	50	1.2	37.5	2.0	0.001	0.007
JK-SMD1210-750L-12	7.5	15.0	12	50	1.2	37.5	2.0	0.001	0.007

- 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 Quantity	Part number	Packing Quantity
JK-SMD1210-150L	4000pcs	JK-SMD1210-400L	4000pcs
JK-SMD1210-150L-12	4000pcs	JK-SMD1210-400L-12	4000pcs
JK-SMD1210-175L	4000pcs	JK-SMD1210-450L	4000pcs
JK-SMD1210-175L-12	4000pcs	JK-SMD1210-450L-12	4000pcs
JK-SMD1210-190L	4000pcs	JK-SMD1210-500L	3000pcs
JK-SMD1210-190L-12	4000pcs	JK-SMD1210-500L-12	3000pcs
JK-SMD1210-200L	4000pcs	JK-SMD1210-550L	3000pcs
JK-SMD1210-200L-12	4000pcs	JK-SMD1210-550L-12	3000pcs
JK-SMD1210-260L	4000pcs	JK-SMD1210-600L	3000pcs
JK-SMD1210-260L-12	4000pcs	JK-SMD1210-600L-12	3000pcs
JK-SMD1210-300L	4000pcs	JK-SMD1210-650L	3000pcs
JK-SMD1210-300L-12	4000pcs	JK-SMD1210-650L-12	3000pcs
JK-SMD1210-350L	3000pcs	JK-SMD1210-700L	3000pcs
JK-SMD1210-350L-12	3000pcs	JK-SMD1210-700L-12	3000pcs
JK-SMD1210-380L	3000pcs	JK-SMD1210-750L	3000pcs
JK-SMD1210-380L-12	3000pcs	JK-SMD1210-750L-12	3000pcs

Specifications are subject to change without notice

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