

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(Unit:mm)

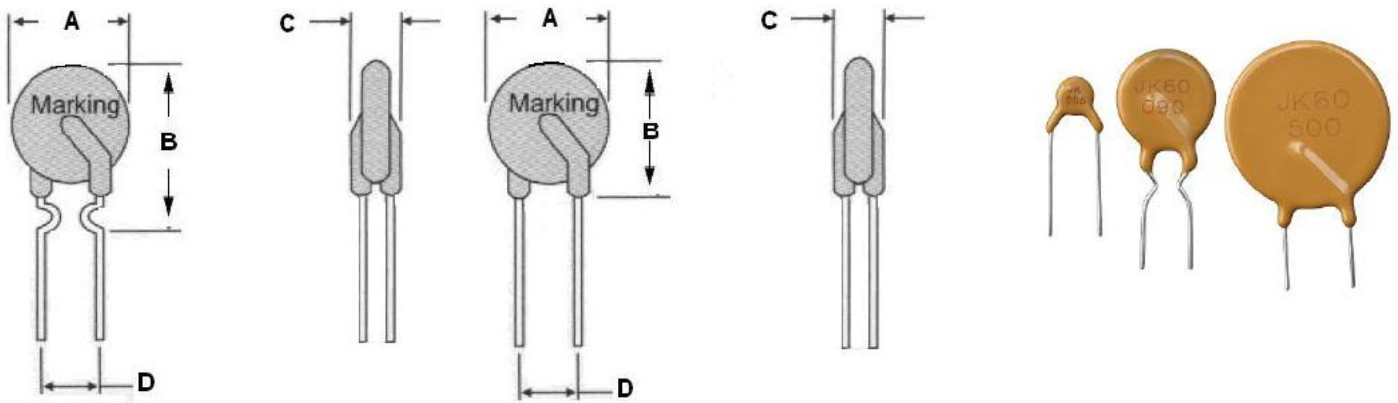


Fig1

Fig2

Model	Maximum contour size(mm)				Lead material Tinned Matel(mm)	Shape Fig
	A	B	C	D		
JK60-005	5.0	8.5	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-010	5.50	9.5	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-017	7.4	12.7	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-020	7.4	12.7	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-025	7.4	12.7	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-030	7.4	13.0	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-040	7.8	16.2	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-050	7.8	16.2	3	5.10	24 AWG/ Φ0.5	Fig1
JK60-065	9.7	17.8	3	5.10	22 AWG/ Φ0.6	Fig1
JK60-075	10.4	18.4	3	5.10	22 AWG/ Φ0.6	Fig1
JK60-090	11.7	18.4	3	5.10	22 AWG/ Φ0.6	Fig1
JK60-110	13.0	18.0	3	5.10	20 AWG/ Φ0.8	Fig2

JK60-135	14.5	19.6	3	5.1	20 AWG/ Φ0.8	Fig2
JK60-160	16.3	21.3	3	5.1	20 AWG/ Φ0.8	Fig2
JK60-185	17.8	22.9	3	5.1	20 AWG/ Φ0.8	Fig2
JK60-200	17.8	22.9	3	5.1	20 AWG/ Φ0.8	Fig2
JK60-250	21.3	26.4	3	10.2	20 AWG/ Φ0.8	Fig2
JK60-300	21.3	26.4	3	10.2	20 AWG/ Φ0.8	Fig2
JK60-375	28.5	33.5	3	10.2	20 AWG/ Φ0.8	Fig2
JK60-500	28.5	33.5	3	10.2	20 AWG/ Φ0.8	Fig2

Thermal Derating Chart-IH (A)

JK60 Series

Part Number	Maximum ambient operating temperatures (°C)									
	-40	-20	0	25	40	50	60	70	80	85
JK60-005	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02
JK60-010	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.04
JK60-017	0.25	0.23	0.20	0.17	0.15	0.13	0.12	0.10	0.09	0.06
JK60-020	0.30	0.27	0.24	0.20	0.18	0.16	0.14	0.12	0.10	0.08
JK60-025	0.37	0.34	0.30	0.25	0.22	0.20	0.18	0.15	0.13	0.10
JK60-030	0.45	0.40	0.35	0.30	0.27	0.24	0.21	0.19	0.16	0.12
JK60-040	0.60	0.54	0.47	0.40	0.36	0.32	0.28	0.25	0.21	0.16
JK60-050	0.75	0.68	0.59	0.50	0.45	0.40	0.36	0.31	0.27	0.20
JK60-065	0.97	0.88	0.77	0.65	0.58	0.52	0.46	0.41	0.35	0.26
JK60-075	1.12	1.02	0.89	0.75	0.67	0.60	0.54	0.47	0.40	0.30
JK60-090	1.35	1.22	1.07	0.90	0.81	0.73	0.64	0.56	0.48	0.36
JK60-110	1.65	1.49	1.31	1.10	0.99	0.89	0.79	0.69	0.59	0.44
JK60-135	2.02	1.83	1.60	1.35	1.21	1.09	0.97	0.85	0.72	0.54
JK60-160	2.40	2.17	1.90	1.60	1.44	1.29	1.15	1.00	0.86	0.64
JK60-185	2.77	2.51	2.20	1.85	1.66	1.49	1.33	1.16	1.00	0.74
JK60-200	3.00	2.72	2.38	2.00	1.80	1.62	1.44	1.26	1.08	0.80
JK60-250	3.75	3.40	2.97	2.50	2.25	2.02	1.80	1.57	1.35	1.00
JK60-300	4.50	4.08	3.57	3.00	2.70	2.43	2.16	1.89	1.62	1.20
JK60-375	5.62	5.1	4.46	3.75	3.37	3.03	2.70	2.36	2.02	1.50
JK60-500	7.50	6.80	5.95	5.00	4.50	4.05	3.60	3.15	2.70	2.00

Electrical characteristics(25°C)

Part Number	I _{hold}	I _{trip}	V _{max}	I _{max}	P _d	Maximum Time To Trip		Resistance		
			OP		Typ	Current	Time	R _{min}	R _{max}	R _{1max}
	(A)	(A)	V _{dc}	(A)	(W)	(A)	(S)	(Ω)	(Ω)	(Ω)
JK60-005	0.05	0.10	60	40	0.30	0.25	8	7.30	20	30.0
JK60-010	0.10	0.20	60	40	0.38	0.50	5	2.50	7.50	12.0
JK60-017	0.17	0.34	60	40	0.48	0.85	5	2.00	5.21	8.0
JK60-020	0.20	0.40	60	40	0.41	1.00	5	1.50	2.84	4.5
JK60-025	0.25	0.50	60	40	0.45	1.25	5	1.00	1.95	3.0
JK60-030	0.30	0.60	60	40	0.49	1.50	5	0.76	1.38	2.2
JK60-040	0.40	0.80	60	40	0.56	2.00	5	0.55	0.88	1.4
JK60-050	0.50	1.00	60	40	0.77	2.50	5	0.50	0.79	1.2
JK60-065	0.65	1.30	60	40	0.88	3.25	5	0.31	0.50	0.74
JK60-075	0.75	1.50	60	40	0.92	3.75	5	0.25	0.42	0.62
JK60-090	0.90	1.80	60	40	0.99	4.50	5	0.20	0.33	0.49
JK60-110	1.10	2.20	60	40	0.15	5.50	8	0.15	0.27	0.40
JK60-135	1.35	2.70	60	40	0.12	6.75	8	0.12	0.21	0.32
JK60-160	1.60	3.20	60	40	0.09	8.00	8	0.09	0.16	0.24
JK60-185	1.85	3.70	60	40	0.08	9.25	8	0.08	0.14	0.21
JK60-200	2.00	4.00	60	40	0.07	10.00	8	0.07	0.14	0.16
JK60-250	2.50	5.00	60	40	0.05	12.50	8	0.05	0.10	0.15
JK60-300	3.00	6.00	60	40	0.04	15.00	8	0.04	0.08	0.12
JK60-375	3.75	7.50	60	40	0.03	18.75	24	0.03	0.06	0.10
JK60-500	5.0	10.0	60	40	0.02	25.00	24	0.02	0.06	0.10

- 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:

JK60-005 ~ JK60-110 1000pcs/Bag

JK60-135 ~ JK60-200 500pcs/Bag

JK60-250 ~ JK60-500 200pcs/Bag

Specifications are subject to change without notice



Cross Reference List (60V Series)

HUAAN Resettable Fuse Part Number	Cross Reference
	Littelfuse Poly-Fuse / Resettable PTC Part Number
JK60-005	-
JK60-010	60R010X
JK60-017	60R017X
JK60-020	60R020X
JK60-025	60R025X
JK60-030	60R030X
JK60-040	60R040X
JK60-050	60R050X
JK60-065	60R065X
JK60-075	60R075X
JK60-090	60R090X
JK60-110	60R110X
JK60-110	60R110X
JK60-135	60R135X
JK60-160	60R160X
JK60-185	60R185X
JK60-200	-
JK60-250	60R250X
JK60-300	60R300X
JK60-375	60R375X
JK60-500	-

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