JKPPTC®

深圳市金瑞电子材料有限公司
SHENZHEN JINRUI ELECTRONIC MATERIAL CO.,LTD

深圳市金科特种材料股份有限公司
SHENZHEN JINKE SPECIAL MATERIALS CO.,LTD

深圳市金瑞电子材料有限公司
SHENZHEN JINRUI ELECTRONIC MATERIAL CO.,LTD

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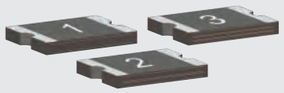
常规表面贴装

Normal SMD

Polymer PTC Resettable Fuse JK-SMD0603 Series



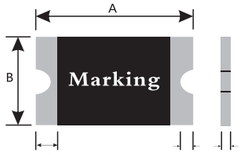
Features :

- RoHS Compliant & Halogen Free
- faster tripping, 0603 Dimension, Surface mountable, Solid state
- Operation Current: 0.03A~0.50A
- Maximum Voltage: 6V~30Vdc
- Operating Temperature : -40℃ TO 85℃
- Agency recognition:

RoHS Compliant

TÜV SÜD (UNDER REVIEW)

Product Dimensions



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS186-9E and ANSI/J-STD-002 Category 3.

Unit ：mm

Part Number	Marking	A		B		C		D		E
		Min	Max	Min	Max	Min	Max	Min	Max	Max
JK-SMD0603-003	-	1.45	1.85	0.65	1.05	0.40	0.75	0.15	0.50	0.40
JK-SMD0603-004	-	1.45	1.85	0.65	1.05	0.40	0.75	0.15	0.50	0.40
JK-SMD0603-005	1	1.45	1.85	0.65	1.05	0.40	0.75	0.15	0.50	0.40
JK-SMD0603-010	1	1.45	1.85	0.65	1.05	0.40	0.75	0.15	0.50	0.40
JK-SMD0603-020	2	1.45	1.85	0.65	1.05	0.40	0.75	0.15	0.50	0.40
JK-SMD0603-025	2	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.50	0.40
JK-SMD0603-030	3	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.50	0.40
JK-SMD0603-035	3	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.50	0.40
JK-SMD0603-040	5	1.45	1.85	0.65	1.05	0.50	1.20	0.15	0.50	0.40
JK-SMD0603-050	5	1.45	1.85	0.65	1.05	0.50	1.20	0.15	0.50	0.40

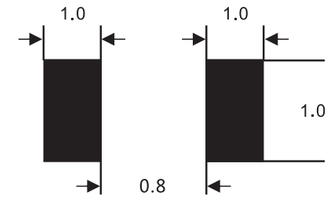
Electrical Characteristic

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(Vdc)	(A)	(A)	(A)	Max. (W)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (Ω)
JK-SMD0603-003	30.0	20	0.03	0.09	0.50	0.15	1.00	6.0	65.00
JK-SMD0603-004	24.0	20	0.04	0.12	0.50	0.2	1.00	4.0	45.00
JK-SMD0603-005	24.0	20	0.05	0.15	0.50	0.2	1.00	3.0	35.000
JK-SMD0603-010	15.0	40	0.10	0.30	0.50	0.5	1.00	0.9	8.000
JK-SMD0603-020	9.0	40	0.20	0.50	0.50	1.00	0.60	0.55	3.500
JK-SMD0603-025	9.0	40	0.25	0.55	0.50	8.0	0.08	0.500	3.000
JK-SMD0603-030	6.0	40	0.30	0.70	0.50	8A	0.10	0.300	2.00
JK-SMD0603-035	6.0	40	0.35	0.75	0.50	8A	0.10	0.200	1.400
JK-SMD0603-040	6.0	40	0.40	0.80	0.50	8A	0.10	0.20	0.900
JK-SMD0603-050	6.0	40	0.50	1.00	0.50	8A	0.10	0.100	0.800

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-SMD0603-003	0.042	0.038	0.035	0.03	0.026	0.021	0.018	0.015	0.011
JK-SMD0603-004	0.056	0.05	0.046	0.04	0.034	0.028	0.024	0.02	0.014
JK-SMD0603-005	0.07	0.063	0.058	0.05	0.043	0.035	0.03	0.025	0.018
JK-SMD0603-010	0.14	0.125	0.115	0.10	0.085	0.07	0.06	0.05	0.035
JK-SMD0603-020	0.28	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
JK-SMD0603-025	0.35	0.31	0.29	0.25	0.21	0.18	0.15	0.13	0.09
JK-SMD0603-030	0.42	0.38	0.35	0.30	0.26	0.21	0.18	0.15	0.11
JK-SMD0603-035	0.47	0.44	0.39	0.35	0.30	0.27	0.24	0.20	0.14
JK-SMD0603-040	0.54	0.50	0.45	0.40	0.34	0.31	0.27	0.23	0.16
JK-SMD0603-050	0.67	0.63	0.56	0.50	0.43	0.39	0.34	0.29	0.20

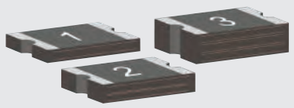
Recommended pad layout (mm)



Packaging Quantity

Quantity	4000	5000	
Part Number	JK-SMD0603-050	JK-SMD0603-003	JK-SMD0603-035
		JK-SMD0603-004	JK-SMD0603-020
		JK-SMD0603-005	JK-SMD0603-025
		JK-SMD0603-010	

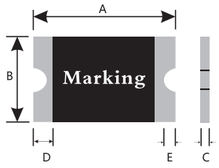
Polymer PTC Resettable Fuse JK-SMD0805 Series



Features :

- RoHS Compliant & Halogen Free
- faster tripping, 0805 Dimension, Surface mountable, Solid state
- Operation Current: 0.05A~1.10A
- Maximum Voltage: 6V~24Vdc
- Operating Temperature：-40℃TO 85℃
- Agency recognition:

Product Dimensions



Terminal pad materials :Tin-Plated Nickle-copper Terminal pad solderability : Meets EIA specification RS 186-9E and ANSI/J-STD-002 Category 3.

Unit ：mm

Part Number	Marking	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
SMD0805-005	1	2.00	2.20	1.20	1.50	0.45	1.00	0.20	0.10
SMD0805-010	1	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.10
SMD0805-010-24	1	2.00	2.20	1.20	1.50	0.45	1.00	0.20	0.10
SMD0805-020	2	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.10
SMD0805-025	2	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.10
SMD0805-030	3	2.00	2.20	1.20	1.50	0.30	1.00	0.20	0.10
SMD0805-035	3	2.00	2.20	1.20	1.50	0.30	1.00	0.20	0.10
SMD0805-050	5	2.00	2.20	1.20	1.50	0.40	0.80	0.20	0.10
SMD0805-075	7	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-100	0	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-110	0	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10

Electrical Characteristic

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(Vdc)	(A)	(A)	(A)	Max. (W)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (Ω)
JK-SMD0805-005	24	100	0.05	0.15	0.5	0.5	1.50	1.50	20.0
JK-SMD0805-010	15	100	0.10	0.30	0.5	0.5	1.50	1.00	6.00
JK-SMD0805-010-24	24	40	0.05	0.15	0.5	1.50	1.00	6.00	6.00
JK-SMD0805-020	9	100	0.20	0.50	0.5	8.0	0.02	0.50	3.50
JK-SMD0805-025	6	100	0.25	0.50	0.5	8.0	0.02	0.45	3.20
JK-SMD0805-030	6	100	0.30	0.70	0.5	8.0	0.10	0.25	2.00
JK-SMD0805-035	6	100	0.35	0.75	0.5	8.0	0.10	0.25	1.20
JK-SMD0805-050	6	100	0.50	1.00	0.6	8.0	0.10	0.15	0.85
JK-SMD0805-075	6	100	0.75	1.50	0.6	8.0	0.20	0.09	0.385
JK-SMD0805-100	6	100	1.00	1.95	0.6	8.0	0.30	0.06	0.23
JK-SMD0805-110	6	100	1.10	2.20	0.6	8.0	0.30	0.06	0.21

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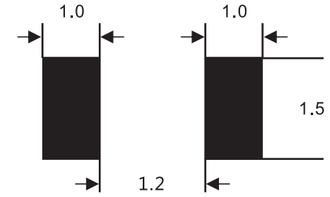
Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
SMD0805-005	0.07	0.063	0.058	0.05	0.043	0.035	0.03	0.025	0.018
SMD0805-010	0.14	0.125	0.115	0.10	0.085	0.07	0.06	0.05	0.035
SMD0805-010-24	0.14	0.125	0.115	0.10	0.085	0.07	0.06	0.05	0.035
SMD0805-020	0.28	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
SMD0805-025	0.35	0.31	0.29	0.25	0.21	0.18	0.15	0.013	0.09
SMD0805-030	0.42	0.38	0.35	0.30	0.255	0.21	0.18	0.15	0.11
SMD0805-035	0.47	0.44	0.39	0.35	0.30	0.27	0.24	0.20	0.14
SMD0805-050	0.68	0.62	0.55	0.50	0.40	0.37	0.33	0.29	0.23
SMD0805-075	1.00	0.90	0.79	0.75	0.63	0.57	0.53	0.41	0.34
SMD0805-100	1.35	1.25	1.10	1.00	0.82	0.74	0.65	0.55	0.42
SMD0805-110	1.45	1.35	1.20	1.10	0.92	0.84	0.75	0.65	0.52

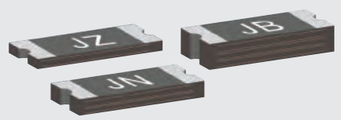
Recommended pad layout (mm)



Packaging Quantity

Quantity	4000		5000	
Part Number	JK-SMD0805-075	JK-SMD0805-110	JK-SMD0805-005	JK-SMD0805-025
	JK-SMD0805-100		JK-SMD0805-010	JK-SMD0805-030
			JK-SMD0805-010-24	JK-SMD0805-035
			JK-SMD0805-020	JK-SMD0805-050

Polymer PTC Resettable Fuse JK-nSMD Series

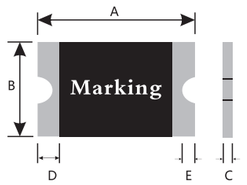


Features :

- RoHS Compliant & Halogen Free
- faster tripping, 1206 Dimension, Surface mountable,
- Solid state
- Operation Current: 0.05A~20A
- Maximum Voltage: 6V~60Vdc
- Operating Temperature : -40℃ TO 85℃
- Agency recognition:

E217453

Product Dimensions



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS 186-9E and ANSI/J-STD-002 Category 3.

Unit : mm

Part Number	Marking	A		B		C		D	E
		Max	Min	Max	Min	Max	Min	Min	Min
JK-nSMD005	JZ	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
JK-nSMD010	JN	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
JK-nSMD010-33	JN	3.00	3.50	1.50	1.80	0.50	1.10	0.15	0.10
JK-nSMD012	JN	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
JK-nSMD016	JF	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
JK-nSMD020	JF	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
JK-nSMD025	JF	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
JK-nSMD030	JB	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
JK-nSMD035	JB	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
JK-nSMD050	JG	3.00	3.50	1.50	1.80	0.35	0.85	0.15	0.10
JK-nSMD050-13.2	JG	3.00	3.50	1.50	1.80	0.35	0.85	0.15	0.10
JK-nSMD050-16	JG	3.00	3.50	1.50	1.80	0.35	0.85	0.15	0.10
JK-nSMD050-24	JG	3.00	3.50	1.50	1.80	0.35	1.20	0.15	0.10
JK-nSMD050-30	JG	3.00	3.50	1.50	1.80	0.35	1.20	0.15	0.10
JK-nSMD075	JA	3.00	3.50	1.50	1.80	0.35	0.85	0.15	0.10
JK-nSMD075-13.2	JA	3.00	3.50	1.50	1.80	0.35	0.85	0.15	0.10
JK-nSMD075-16	JA	3.00	3.50	1.50	1.80	0.60	1.30	0.15	0.10
JK-nSMD100	JH	3.00	3.50	1.50	1.80	0.40	0.80	0.15	0.10
JK-nSMD100-13.2	JH	3.00	3.50	1.50	1.80	0.40	1.30	0.15	0.10
JK-nSMD100-16	JH	3.00	3.50	1.50	1.80	0.40	1.30	0.15	0.10
JK-nSMD110	JH	3.00	3.50	1.50	1.80	0.40	0.80	0.15	0.10
JK-nSMD150	JI	3.00	3.50	1.50	1.80	0.60	1.50	0.15	0.10
JK-nSMD200	JK	3.00	3.50	1.50	1.80	0.70	1.70	0.15	0.10

JKPPTC®

Electrical Characteristic

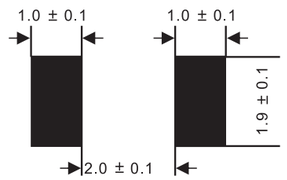
Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	Maximum Time-to-trip		R25	
					Current	Time	R_{Min}	$R1_{Max}$
	(Vdc)	(A)	(A)	(A)	(A)	(Sec)	(Ω)	(Ω)
JK-nSMD005	60.0	100	0.05	0.15	0.25	1.50	3.600	50.000
JK-nSMD010	60.0	100	0.10	0.25	0.5	1.00	1.600	15.000
JK-nSMD010-33	33.0	100	0.10	0.25	0.5	1.00	1.600	15.000
JK-nSMD012	30	100	0.12	0.29	1.00	0.20	1.350	10.00
JK-nSMD016	30	100	0.16	0.37	1.00	0.30	1.200	4.50
JK-nSMD020	24.0	100	0.20	0.46	8.0	0.08	0.350	3.500
JK-nSMD025	16.0	100	0.25	0.50	8.0	0.08	0.350	2.700
JK-nSMD030	16.0	100	0.30	0.65	8.0	0.10	0.250	2.00
JK-nSMD035	16.0	100	0.35	0.75	8.0	0.10	0.250	1.300
JK-nSMD050	6.0	100	0.50	1.00	8.0	0.10	0.150	0.700
JK-nSMD050-13.2	13.2	100	0.50	1.00	8.0	0.10	0.150	0.700
JK-nSMD050-16	16	100	0.50	1.00	8.0	0.10	0.150	0.750
JK-nSMD050-24	24	100	0.50	1.00	8.0	0.10	0.150	0.750
JK-nSMD050-30	0.3	100	0.50	1.00	8.0	0.10	0.150	1.00
JK-nSMD075	6.0	100	0.75	1.50	8.0	0.20	0.090	0.500
JK-nSMD075-13.2	13.2	100	0.75	1.50	8.0	0.20	0.090	0.500
JK-nSMD075-16	16	100	0.75	1.50	8.0	0.20	0.090	0.500
JK-nSMD100	6.0	100	1.00	1.80	8.0	0.30	0.055	0.270
JK-nSMD100-13.2	13.2	100	1.00	1.80	8.0	0.30	0.055	0.270
JK-nSMD100-16	16	100	1.00	1.80	8.0	0.30	0.055	0.330
JK-nSMD110	8.0	100	1.10	1.80	8.0	0.30	0.050	0.230
JK-nSMD150	6.0	100	1.50	3.00	8.0	1.00	0.040	0.130
JK-nSMD200	6.0	100	2.00	3.50	8.0	1.0	0.018	0.080

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-nSMD005	0.09	0.08	0.06	0.05	0.04	0.036	0.033	0.029	0.02
JK-nSMD010	0.18	0.16	0.12	0.1	0.08	0.072	0.066	0.058	0.04
JK-nSMD010-33	0.18	0.16	0.12	0.1	0.08	0.072	0.066	0.058	0.04
JK-nSMD012	0.216	0.192	0.144	0.12	0.096	0.086	0.079	0.070	0.048
JK-nSMD016	0.288	0.256	0.192	0.160	0.128	0.115	0.106	0.093	0.064
JK-nSMD020	0.31	0.26	0.22	0.20	0.18	0.16	0.15	0.13	0.07
JK-nSMD025	0.37	0.33	0.29	0.25	0.22	0.20	0.17	0.15	0.12
JK-nSMD030	0.444	0.396	0.348	0.30	0.264	0.24	0.204	0.18	0.144
JK-nSMD035	0.50	0.45	0.40	0.35	0.30	0.27	0.24	0.21	0.15
JK-nSMD050	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
JK-nSMD050-13.2	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
JK-nSMD050-16	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25

JK-nSMD050-24	0.639	0.576	0.513	0.50	0.378	0.351	0.315	0.279	0.225
JK-nSMD050-30	0.639	0.576	0.513	0.50	0.378	0.351	0.315	0.279	0.225
JK-nSMD075	1.14	1.01	0.88	0.75	0.65	0.59	0.54	0.49	0.41
JK-nSMD100	1.45	1.31	1.15	1.00	0.84	0.77	0.69	0.61	0.48
JK-nSMD100-13.2	1.305	1.179	1.035	1.00	0.756	0.693	0.621	0.549	0.432
JK-nSMD100-16	1.305	1.179	1.035	1.00	0.756	0.693	0.621	0.549	0.432
JK-nSMD110	1.595	1.441	1.265	1.10	0.924	0.847	0.759	0.671	0.528
JK-nSMD150	2.18	1.94	1.72	1.50	1.28	1.17	1.06	0.96	0.77
JK-nSMD200	2.60	2.44	2.35	2.00	1.78	1.67	1.50	1.45	1.10

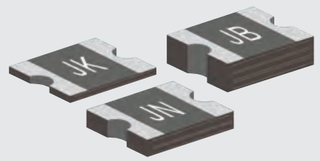
Recommended Pad Layout (mm)



Packaging Quantity

	Quantity	3500		5000	
Part Number		JK-nSMD005	JK-nSMD075-16	JK-nSMD016	JK-nSMD050-13.2
		JK-nSMD010	JK-nSMD100-13.2	JK-nSMD020	JK-nSMD050-16
		JK-nSMD010-33	JK-nSMD100-16	JK-nSMD025	JK-nSMD075
		JK-nSMD012	JK-nSMD150	JK-nSMD030	JK-nSMD075-13.2
		JK-nSMD050-24	JK-nSMD200	JK-nSMD035	JK-nSMD100
		JK-nSMD050-30		JK-nSMD050	JK-nSMD110

Polymer PTC Resettable Fuse JK-SMD1210 Series



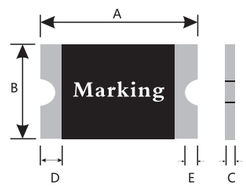
Features :

- RoHS Compliant & Halogen Free
- faster tripping, 1210 Dimension, Surface mountable, Solid state
- Operation Current: 0.05A~2.00A
- Maximum Voltage: 6V~60Vdc
- Operating Temperature:-40℃ TO 85℃
- Agency recognition:

RoHS Compliant

TÜV SÜD (UNDER REVIEW)

Product Dimensions



Terminal pad materials :Tin-Plated Nickle-copper Terminal pad solderability : Meets EIA specification RS 186-9E and ANSI/J-STD-002 Category 3.

Unit : mm

Part Number	Marking	A		B		C		D	E
		Max	Min	Max	Min	Max	Min	Min	Min
JK-SMD1210-005	JN	3.00	3.43	2.35	2.80	0.60	1.25	0.15	0.10
JK-SMD1210-010	JN	3.00	3.43	2.35	2.80	0.60	1.25	0.15	0.10
JK-SMD1210-020	JF	3.00	3.43	2.35	2.80	0.50	1.00	0.15	0.10
JK-SMD1210-035	JB	3.00	3.43	2.35	2.80	0.35	0.90	0.15	0.10
JK-SMD1210-035-30	JB	3.00	3.43	2.35	2.80	0.35	1.00	0.15	0.10
JK-SMD1210-050	JG	3.00	3.43	2.35	2.80	0.35	0.90	0.15	0.10
JK-SMD1210-075	JA	3.00	3.43	2.35	2.80	0.35	0.85	0.15	0.10
JK-SMD1210-075-24	JA	3.00	3.43	2.35	2.80	0.50	1.10	0.15	0.10
JK-SMD1210-110	JK	3.00	3.43	2.35	2.80	0.40	1.00	0.15	0.10
JK-SMD1210-110-12	JK	3.00	3.43	2.35	2.80	0.50	1.10	0.15	0.10
JK-SMD1210-110-16	JK	3.00	3.43	2.35	2.80	0.50	1.10	0.15	0.10
JK-SMD1210-150	JK	3.00	3.43	2.35	2.80	0.60	1.40	0.15	0.10
JK-SMD1210-175	JK	3.00	3.43	2.35	2.80	0.60	1.40	0.15	0.10
JK-SMD1210-200	JK	3.00	3.43	2.35	2.80	0.60	1.50	0.15	0.10

Electrical Characteristic

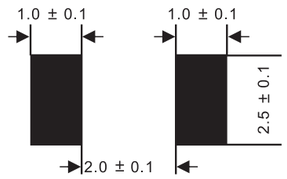
Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(Vdc)	(A)	(A)	(A)	Max. (W)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (Ω)
JK-SMD1210-005	60	100	0.05	0.15	0.6	0.25	1.50	2.8	50

JK-SMD1210-010	30	100	0.10	0.30	0.6	0.50	0.60	0.8	15
JK-SMD1210-020	30	100	0.20	0.40	0.6	8.0	0.02	0.40	5
JK-SMD1210-035-30V	30	100	0.35	0.75	0.6	8.0	0.20	0.20	1.3
JK-SMD1210-035	16	100	0.35	0.75	0.6	8.0	0.20	0.20	1.3
JK-SMD1210-050	16	100	0.50	1.00	0.6	8.0	0.10	0.18	0.9
JK-SMD1210-075	6	100	0.75	1.50	0.6	8.0	0.10	0.07	0.4
JK-SMD1210-075-24	24	100	0.75	1.50	0.6	8.0	0.10	0.07	0.45
JK-SMD1210-110	6	100	1.10	2.20	0.6	8.0	0.30	0.05	0.21
JK-SMD1210-110-12	12	100	1.10	2.20	0.8	8.0	0.30	0.05	0.25
JK-SMD1210-110-16	16	100	1.10	2.20	0.8	8.0	0.30	0.05	0.25
JK-SMD1210-150	6	100	1.50	3.00	0.8	8.0	0.50	0.03	0.11
JK-SMD1210-175	6	100	1.75	3.50	0.8	8.0	0.60	0.02	0.08
JK-SMD1210-200	6	100	2.00	4.00	0.8	8.0	1.00	0.015	0.07

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-SMD1210-005	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02
JK-SMD1210-010	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.05
JK-SMD1210-020	0.29	0.26	0.22	0.20	0.16	0.14	0.13	0.11	0.08
JK-SMD1210-035	0.47	0.45	0.40	0.35	0.33	0.28	0.24	0.21	0.18
JK-SMD1210-035-30	0.47	0.45	0.40	0.35	0.33	0.28	0.24	0.21	0.18
JK-SMD1210-050	0.76	0.67	0.58	0.50	0.43	0.40	0.36	0.32	0.28
JK-SMD1210-075	1.00	0.97	0.86	0.75	0.64	0.59	0.54	0.48	0.40
JK-SMD1210-075-24	1.00	0.97	0.86	0.75	0.64	0.59	0.54	0.48	0.40
JK-SMD1210-110	1.60	1.42	1.26	1.10	0.94	0.86	0.80	0.70	0.58
JK-SMD1210-110-12	1.60	1.42	1.26	1.10	0.94	0.86	0.80	0.70	0.58
JK-SMD1210-110-16	1.60	1.42	1.26	1.10	0.94	0.86	0.80	0.70	0.58
JK-SMD1210-150	2.30	2.02	1.76	1.50	1.24	1.11	1.00	0.85	0.65
JK-SMD1210-175	2.45	2.22	2.01	1.75	1.45	1.26	1.10	0.98	0.80
JK-SMD1210-200	2.60	2.44	2.35	2.00	1.78	1.67	1.50	1.45	1.10

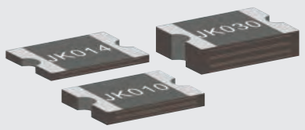
Recommended Pad Layout (mm)



Packaging Quantity

Quantity	3000		4000	
Part Number	JK-SMD1210-175	JK-SMD1210-200	JK-SMD1210-005	JK-SMD1210-010
			JK-SMD1210-020	JK-SMD1210-035-30v
			JK-SMD1210-035	JK-SMD1210-050
			JK-SMD1210-075	JK-SMD1210-075-24
			JK-SMD1210-110	JK-SMD1210-110-12
			JK-SMD1210-110-16	JK-SMD1210-150

Polymer PTC Resettable Fuse JK-mSMD Series

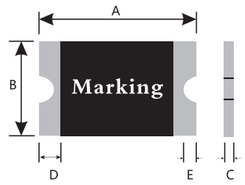


Features :

- RoHS Compliant & Halogen Free
- faster tripping, 1812 Dimension, Surface mountable,
- Solid state
- Operation Current: 0.10A~3.50A
- Maximum Voltage: 6V~60Vdc
- Operating Temperature : -40℃ TO 85℃
- Agency recognition:

E217453

Product Dimensions



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS 186-9E and ANSI/J-STD-002 Category 3.

Unit : mm

Part Number	Marking	A		B		C		D	E
		Max	Min	Max	Min	Max	Min	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	1.10	0.30	0.15
JK-mSMD020	JK020	4.37	4.73	3.07	3.41	0.50	1.00	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	1.20	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	1.70	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
JK-mSMD200-12	JK200	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.15
JK-mSMD200-16	JK200	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.15
JK-mSMD260	JK260	4.37	4.73	3.07	3.41	0.50	1.20	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

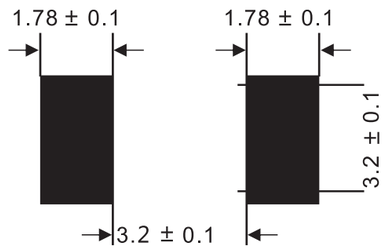
Electrical Characteristic

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	Maximum Time-to-trip		R25	
	(Vdc)	(A)	(A)	(A)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (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	100	0.75	1.50	8.0	0.20	0.090	0.450
JK-mSMD075-33	33	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
JK-mSMD200	8.0	100	2.00	4.00	8.0	2.00	0.020	0.100
JK-mSMD200-12	12.0	100	2.00	4.00	8.0	2.00	0.020	0.100
JK-mSMD200-16	16.0	100	2.00	4.00	8.0	2.00	0.020	0.100
JK-mSMD260	8.0	100	2.60	5.00	8.0	2.50	0.015	0.050
JK-mSMD260-12	12.0	100	2.60	5.00	8.0	2.50	0.015	0.060
JK-mSMD260-16	16.0	100	2.60	5.00	8.0	2.50	0.015	0.060
JK-mSMD300	6.0	100	3.00	5.00	8.0	4.00	0.012	0.040

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-mSMD010	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.03
JK-mSMD014	0.23	0.19	0.17	0.14	0.12	0.10	0.09	0.08	0.06
JK-mSMD020	0.29	0.26	0.23	0.20	0.17	0.15	0.14	0.12	0.10
JK-mSMD030	0.44	0.39	0.35	0.30	0.26	0.23	0.21	0.18	0.15
JK-mSMD050	0.59	0.57	0.55	0.50	0.45	0.43	0.35	0.30	0.23
JK-mSMD075	1.10	0.99	0.87	0.75	0.63	0.57	0.49	0.45	0.35
JK-mSMD110	1.60	1.45	1.28	1.10	0.92	0.83	0.71	0.66	0.52
JK-mSMD110-16	1.60	1.45	1.28	1.10	0.92	0.83	0.71	0.66	0.52
JK-mSMD110-24	1.60	1.45	1.28	1.10	0.92	0.83	0.71	0.66	0.52
JK-mSMD110-33	1.60	1.45	1.28	1.10	0.92	0.83	0.71	0.66	0.52
JK-mSMD125	2.00	1.75	1.52	1.25	1.00	0.95	0.90	0.75	0.53
JK-mSMD125-8	2.00	1.75	1.52	1.25	1.00	0.95	0.90	0.75	0.53
JK-mSMD150	2.30	2.05	1.77	1.50	1.23	1.09	0.95	0.82	0.61
JK-mSMD150-16	2.30	2.05	1.77	1.50	1.23	1.09	0.95	0.82	0.61
JK-mSMD150-24	2.30	2.05	1.77	1.50	1.23	1.09	0.95	0.82	0.61
JK-mSMD160	2.45	2.15	1.89	1.60	1.34	1.25	1.15	0.96	0.79
JK-mSMD200	2.89	2.61	2.30	2.00	1.75	1.66	1.45	1.39	1.19
JK-mSMD200-12	2.89	2.61	2.30	2.00	1.75	1.66	1.45	1.39	1.19
JK-mSMD200-16	2.89	2.61	2.30	2.00	1.75	1.66	1.45	1.39	1.19
JK-mSMD260	3.76	3.39	2.99	2.60	2.28	2.16	1.89	1.81	1.55
JK-mSMD260-12	3.38	3.05	2.69	2.60	2.05	1.94	1.70	1.63	1.39
JK-mSMD260-16	3.38	3.05	2.69	2.60	2.05	1.94	1.70	1.63	1.39
JK-mSMD300	4.34	3.92	3.45	3.00	2.63	2.49	2.18	2.09	1.79

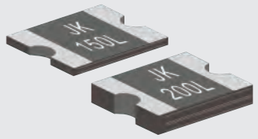
Recommended Pad Layout (mm)



Packaging Quantity

Quantity	1500		2000	
Part Number	JK-mSMD010	JK-mSMD075-33	JK-mSMD125-8	JK-mSMD075-24
	JK-mSMD010-60	JK-mSMD110-24	JK-mSMD150	JK-mSMD110
	JK-mSMD014-33	JK-mSMD150-24	JK-mSMD050	JK-mSMD110-16
	JK-mSMD014	JK-mSMD200-12	JK-mSMD050-24	JK-mSMD160
	JK-mSMD020	JK-mSMD200-16	JK-mSMD050-30	JK-mSMD200
	JK-mSMD010-33	JK-mSMD260	JK-mSMD075	
	JK-mSMD125	JK-mJK-mSMD260-12		
	JK-mSMD150-16	SMD260-16		
	JK-mSMD030	JK-mSMD300		

Polymer PTC Resettable Fuse JK-SMD2920 Series

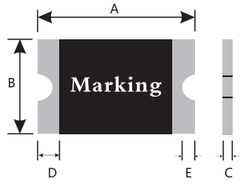


Features :

- RoHS Compliant & Halogen Free
- faster tripping, 2920 Dimension, Surface mountable, Solid state
- Operation Current: 0.30A~3.00A
- Maximum Voltage: 6V~60Vdc
- Operating Temperature：-40℃TO 85℃
- Agency recognition:

E217453

Product Dimensions



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS 186-9E and ANSI/J-STD-002 Category 3.

Unit : mm

Part Number	Marking	A		B		C		D	E
		Max	Min	Max	Min	Max	Min	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	0.60	1.00	0.30	0.15
JK-SMD125L	JK125L	6.73	7.98	4.80	5.44	0.60	1.00	0.30	0.15
JK-SMD150L	JK150L	6.73	7.98	4.80	5.44	0.60	1.20	0.30	0.15
JK-SMD185L	JK185L	6.73	7.98	4.80	5.44	0.60	1.20	0.30	0.15
JK-SMD200L	JK200L	6.73	7.98	4.80	5.44	0.40	0.80	0.30	0.15
JK-SMD200L-24	JK200L	6.73	7.98	4.80	5.44	0.60	1.20	0.30	0.15
JK-SMD250L	JK250L	6.73	7.98	4.80	5.44	0.40	0.80	0.30	0.15
JK-SMD260L	JK260L	6.73	7.98	4.80	5.44	0.40	0.80	0.30	0.15
JK-SMD300L-6	JK300L	6.73	7.98	4.80	5.44	0.40	0.80	0.30	0.15
JK-SMD300L-16	JK300L	6.73	7.98	4.80	5.44	0.60	1.20	0.30	0.15

Electrical Characteristic

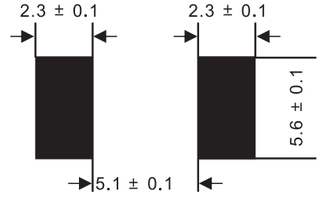
Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(Vdc)	(A)	(A)	(A)	Max. (W)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (Ω)
SMD030L	60	100	0.30	0.60	1.5	1.5	3.0	0.60	4.80
SMD050L	60	100	0.50	1.00	1.5	2.5	4.0	0.18	1.40
SMD075L	33	100	0.75	1.50	1.5	8.0	0.3	0.10	1.00
SMD100L	33	100	1.00	2.20	1.5	8.0	0.5	0.065	0.41

SMD125L	33	100	1.25	2.50	1.5	8.0	2.0	0.05	0.25
SMD150L	33	100	1.50	3.00	1.5	8.0	2.0	0.035	0.23
SMD185L	33	100	1.85	3.70	1.5	8.0	2.5	0.030	0.15
SMD200L	16	100	2.00	4.00	1.5	8.0	4.5	0.020	0.12
SMD200L-24	24	100	2.00	4.00	1.5	8.0	4.5	0.020	0.12
SMD250L	16	100	2.50	5.00	1.5	8.0	16.0	0.020	0.085
SMD260L	16	100	2.60	5.20	1.5	8.0	10.0	0.014	0.075
SMD300L-6	6	100	3.00	6.00	1.5	8.0	20.0	0.012	0.048
SMD300L-16	16	100	3.00	6.00	1.5	8.0	20.0	0.012	0.048

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-SMD030L	0.44	0.37	0.35	0.30	0.28	0.23	0.20	0.18	0.14
JK-SMD050L	0.73	0.62	0.59	0.50	0.47	0.38	0.34	0.30	0.24
JK-SMD075L	1.09	0.92	0.88	0.75	0.70	0.56	0.50	0.45	0.36
JK-SMD100L	1.45	1.23	1.17	1.00	0.93	0.75	0.67	0.60	0.48
JK-SMD125L	1.81	1.54	1.46	1.25	1.16	0.94	0.84	0.75	0.60
JK-SMD150L	2.18	1.85	1.76	1.50	1.40	1.13	1.01	0.90	0.72
JK-SMD185L	2.68	2.28	2.16	1.85	1.72	1.39	1.24	1.11	0.89
JK-SMD200L	2.90	2.46	2.34	2.00	1.86	1.50	1.34	1.20	0.96
JK-SMD200L-24	2.90	2.46	2.34	2.00	1.86	1.50	1.34	1.20	0.96
JK-SMD250L	3.63	3.08	2.93	2.50	2.33	1.88	1.68	1.50	1.20
JK-SMD260L	3.77	3.20	3.04	2.60	2.42	1.95	1.74	1.56	1.25
JK-SMD300L-6	4.35	3.69	3.51	3.00	2.79	2.25	2.01	1.80	1.44
JK-SMD300L-16	4.35	3.69	3.51	3.00	2.79	2.25	2.01	1.80	1.44

Recommended Pad Layout (mm)



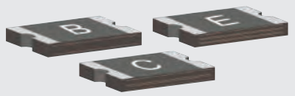
Packaging Quantity

Quantity	1500		2000	
Part Number	JK-SMD185L	JK-SMD300L-16	JK-SMD030L	JK-SMD150L
	JK-SMD200L-24		JK-SMD050L	JK-SMD200L
			JK-SMD075L	JK-SMD250L
			JK-SMD100L	JK-SMD260L
			JK-SMD125L	JK-SMD300L

低阻表面贴装

Low Resistance SMD

Polymer PTC Resettable Fuse JK-SMD0603(L) Series

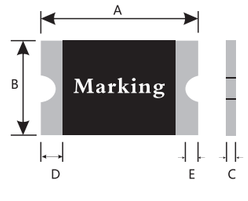


Features :

- RoHS Compliant & Halogen Free
- Faster tripping, 0603L Dimension, Surface mountable, Solid state
- Operating Current: 0.35A~3.0A, @25℃
- Maximum Voltage: 6V
- Operating Temperature: -40℃~ 85℃
- Agency recognition:

® E217453 RoHS Compliant TÜV SÜD (UNDER REVIEW)

Product Dimensions (mm)



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS186-9E and ANSI/J-STD-002 Category 3.

Unit : mm

Part Number	Marking	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
JK-SMD-0603-035L	D	1.45	1.85	0.65	1.05	0.3	0.7	0.15	0.1
JK-SMD-0603-050L	D	1.45	1.85	0.65	1.05	0.3	0.7	0.15	0.1
JK-SMD-0603-075L	D	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

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (Ω)
JK-SMD-0603-035L	6.0	50.0	0.35	0.7	0.5	8.0	0.1	0.15	1.0
JK-SMD-0603-050L	6.0	50.0	0.5	1.0	0.5	8.0	0.6	0.07	0.4

JK-SMD-0603-075L	6.0	50.0	0.75	1.5	0.5	8.0	1.0	0.055	0.25
JK-SMD-0603-100L	6.0	50.0	1.0	2.0	0.5	8.0	2.0	0.045	0.12
JK-SMD-0603-125L	6.0	50.0	1.25	2.5	0.5	8.0	3.0	0.035	0.10
JK-SMD-0603-150L	6.0	50.0	1.5	3.0	0.5	8.0	4.0	0.025	0.08
JK-SMD-0603-175L	6.0	50.0	1.75	3.5	0.5	8.0	5.0	0.015	0.07
JK-SMD-0603-200L	6.0	50.0	2.0	4.0	0.5	8.0	5.0	0.012	0.06
JK-SMD-0603-260L	6.0	50.0	2.6	5.2	0.5	8.0	5.0	0.008	0.05
JK-SMD-0603-300L	6.0	50.0	3.0	6.0	0.5	8.0	5.0	0.008	0.04

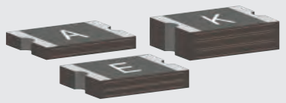
Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-SMD-0603-035L	0.46	0.40	0.37	0.35	0.29	0.25	0.24	0.20	0.14
JK-SMD-0603-050L	0.66	0.57	0.53	0.50	0.41	0.36	0.34	0.29	0.20
JK-SMD-0603-075L	0.99	0.86	0.79	0.75	0.62	0.54	0.51	0.43	0.30
JK-SMD-0603-100L	1.31	1.14	1.06	1.00	0.83	0.71	0.69	0.57	0.40
JK-SMD-0603-125L	1.64	1.43	1.32	1.25	1.04	0.89	0.86	0.71	0.50
JK-SMD-0603-150L	1.97	1.71	1.59	1.50	1.24	1.07	1.03	0.86	0.60
JK-SMD-0603-175L	2.30	2.00	1.85	1.75	1.45	1.25	1.20	1.00	0.70
JK-SMD-0603-200L	2.63	2.29	2.11	2.00	1.66	1.43	1.37	1.14	0.80
JK-SMD-0603-260L	3.42	2.97	2.75	2.60	2.15	1.86	1.78	1.49	1.04
JK-SMD-0603-300L	3.94	3.43	3.17	3.00	2.49	2.14	2.06	1.71	1.20

Packaging Quantity

Quantity	5000		4000	
Part Number	JK-SMD0603-035L	JK-SMD0603-100L	JK-SMD0603-150L	JK-SMD0603-260L
	JK-SMD0603-050L	JK-SMD0603-125L	JK-SMD0603-175L	JK-SMD0603-300L
	JK-SMD0603-075L		JK-SMD0603-200L	

Polymer PTC Resettable Fuse JK-SMD0805(L) Series

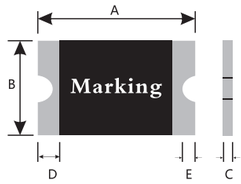


Features :

- RoHS Compliant & Halogen Free
- Faster tripping, 0805L Dimension, Surface mountable, Solid state
- Operating Current: 0.75A~4.0A, @25℃
- Maximum Voltage: 6V/12V
- Operating Temperature: -40℃~ 85℃
- Agency recognition:

® E217453 RoHS Compliant (UNDER REVIEW)

Product Dimensions (mm)



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS186-9E and ANSI/J-STD-002 Category 3.

Unit : mm

Part Number	Marking	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
JK-SMD0805-075L	A	2.0	2.2	1.2	1.5	0.3	0.7	0.2	0.1
JK-SMD0805-075L-12	A	2.0	2.2	1.2	1.5	0.3	0.7	0.2	0.1
JK-SMD0805-110L	D	2.0	2.2	1.2	1.5	0.3	0.7	0.2	0.1
JK-SMD0805-110L-12	D	2.0	2.2	1.2	1.5	0.3	0.7	0.2	0.1
JK-SMD0805-125L	D	2.0	2.2	1.2	1.5	0.3	0.7	0.2	0.1
JK-SMD0805-125L-12	D	2.0	2.2	1.2	1.5	0.3	0.7	0.2	0.1
JK-SMD0805-150L	E	2.0	2.2	1.2	1.5	0.4	1.0	0.2	0.1
JK-SMD0805-150L-12	E	2.0	2.2	1.2	1.5	0.4	1.0	0.2	0.1
JK-SMD0805-175L	E	2.0	2.2	1.2	1.5	0.4	1.0	0.2	0.1
JK-SMD0805-175L-12	E	2.0	2.2	1.2	1.5	0.4	1.0	0.2	0.1
JJK-SMD0805-200L	E	2.0	2.2	1.2	1.5	0.4	1.2	0.2	0.1
JK-SMD0805-200L-12	E	2.0	2.2	1.2	1.5	0.4	1.2	0.2	0.1
JK-SMD0805-260L	H	2.0	2.2	1.2	1.5	0.4	1.2	0.2	0.1
JK-SMD0805-260L-12	H	2.0	2.2	1.2	1.5	0.4	1.2	0.2	0.1
JK-SMD0805-300L	H	2.0	2.2	1.2	1.5	0.5	1.4	0.2	0.1
JK-SMD0805-300L-12	H	2.0	2.2	1.2	1.5	0.5	1.4	0.2	0.1
JK-SMD0805-350L	K	2.0	2.2	1.2	1.5	0.5	1.4	0.2	0.1
JK-SMD0805-350L-12	K	2.0	2.2	1.2	1.5	0.5	1.4	0.2	0.1
JK-SMD0805-380L	K	2.0	2.2	1.2	1.5	0.6	1.6	0.2	0.1
JK-SMD0805-380L-12	K	2.0	2.2	1.2	1.5	0.6	1.6	0.2	0.1
JK-SMD0805-400L	K	2.0	2.2	1.2	1.5	0.6	1.6	0.2	0.1
JK-SMD0805-400L-12	K	2.0	2.2	1.2	1.5	0.6	1.6	0.2	0.1

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
						Current	Time	R_{Min}	$R1_{Max}$
	(V)	(A)	(A)	(A)	(W)	(A)	(Sec)	(Ω)	(Ω)
JK-SMD0805-075L	6.0	50.0	0.75	1.5	0.7	8.0	1.0	0.020	0.160
JK-SMD0805-075L-12	12.0	50.0	0.75	1.5	0.7	8.0	1.0	0.020	0.160
JK-SMD0805-110L	6.0	50.0	1.1	2.2	0.7	8.0	1.0	0.018	0.110
JK-SMD0805-110L-12	12.0	50.0	1.1	2.2	0.7	8.0	1.0	0.018	0.110
JK-SMD0805-125L	6.0	50.0	1.25	2.5	0.7	8.0	1.0	0.016	0.100
JK-SMD0805-125L-12	12.0	50.0	1.25	2.5	0.7	8.0	1.0	0.016	0.100
JK-SMD0805-150L	6.0	50.0	1.5	3.0	0.7	8.0	1.0	0.008	0.065
JK-SMD0805-150L-12	12.0	50.0	1.5	3.0	0.7	8.0	1.0	0.008	0.065
JK-SMD0805-175L	6.0	50.0	1.75	3.5	0.7	8.75	2.0	0.008	0.055
JK-SMD0805-175L-12	12.0	50.0	1.75	3.5	0.7	8.75	2.0	0.008	0.055
JK-SMD0805-200L	6.0	50.0	2.0	4.0	0.7	10.0	2.0	0.006	0.045
JK-SMD0805-200L-12	12.0	50.0	2.0	4.0	0.7	10.0	2.0	0.006	0.045
JK-SMD0805-260L	6.0	50.0	2.6	5.2	0.7	13.0	2.0	0.003	0.035
JK-SMD0805-260L-12	12.0	50.0	2.6	5.2	0.7	13.0	2.0	0.003	0.035
JK-SMD0805-300L	6.0	50.0	3.0	6.0	0.8	15.0	2.0	0.003	0.030
JK-SMD0805-300L-12	12.0	50.0	3.0	6.0	0.8	15.0	2.0	0.003	0.030
JK-SMD0805-350L	6.0	50.0	3.5	7.0	0.8	17.5	2.0	0.003	0.025
JK-SMD0805-350L-12	12.0	50.0	3.5	7.0	0.8	17.5	2.0	0.003	0.025
JK-SMD0805-380L	6.0	50.0	3.8	7.6	0.8	19.0	2.0	0.003	0.020
JK-SMD0805-380L-12	12.0	50.0	3.8	7.6	0.8	19.0	2.0	0.003	0.020
JK-SMD0805-400L	6.0	50.0	4.0	8.0	0.8	20.0	2.0	0.003	0.015
JK-SMD0805-400L-12	12.0	50.0	4.0	8.0	0.8	20.0	2.0	0.003	0.015

Thermal Derating Chart-I_H (A)

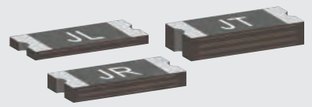
Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-SMD0805-075L	1.07	0.94	0.88	0.75	0.66	0.63	0.60	0.48	0.34
JK-SMD0805-075L-12	1.07	0.94	0.88	0.75	0.66	0.63	0.60	0.48	0.34
JK-SMD0805-110L	1.57	1.38	1.29	1.10	0.98	0.92	0.88	0.71	0.50
JK-SMD0805-110L-12	1.57	1.38	1.29	1.10	0.98	0.92	0.88	0.71	0.50
JK-SMD0805-125L	1.78	1.57	1.47	1.25	1.11	1.05	1.00	0.81	0.57
JK-SMD0805-125L-12	1.78	1.57	1.47	1.25	1.11	1.05	1.00	0.81	0.57
JK-SMD0805-150L	2.14	1.88	1.76	1.50	1.33	1.25	1.20	0.97	0.68
JK-SMD0805-150L-12	2.14	1.88	1.76	1.50	1.33	1.25	1.20	0.97	0.68
JK-SMD0805-175L	2.50	2.19	2.05	1.75	1.55	1.46	1.40	1.13	0.79
JK-SMD0805-175L-12	2.50	2.19	2.05	1.75	1.55	1.46	1.40	1.13	0.79
JK-SMD0805-200L	2.85	2.51	2.35	2.00	1.77	1.67	1.60	1.29	0.91

JK-SMD0805-200L-12	2.85	2.51	2.35	2.00	1.77	1.67	1.60	1.29	0.91
JK-SMD0805-260L	3.71	3.25	3.06	2.60	2.30	2.17	2.08	1.68	1.18
JK-SMD0805-260L-12	3.71	3.25	3.06	2.60	2.30	2.17	2.08	1.68	1.18
JK-SMD0805-300L	4.29	3.75	3.53	3.00	2.65	2.50	2.40	1.94	1.36
JK-SMD0805-300L-12	4.29	3.75	3.53	3.00	2.65	2.50	2.40	1.94	1.36
JK-SMD0805-350L	5.00	4.38	4.12	3.50	3.09	2.92	2.80	2.26	1.59
JK-SMD0805-350L-12	5.00	4.38	4.12	3.50	3.09	2.92	2.80	2.26	1.59
JK-SMD0805-380L	5.43	4.76	4.47	3.80	3.35	3.17	3.04	2.45	1.73
JK-SMD0805-380L-12	5.43	4.76	4.47	3.80	3.35	3.17	3.04	2.45	1.73
JK-SMD0805-400L	5.72	5.00	4.71	4.00	3.53	3.33	3.20	2.59	1.81
JK-SMD0805-400L-12	5.72	5.00	4.71	4.00	3.53	3.33	3.20	2.59	1.81

Packaging Quantity

Quantity	5000		4000	
Part Number	JK-SMD0805-075L	JK-SMD0805-150L	JK-SMD0805-260L	JK-SMD0805-350L-12
	JK-SMD0805-075L-12	JK-SMD0805-150L-12	JK-SMD0805-260L-12	JK-SMD0805-380L
	JK-SMD0805-110L	JK-SMD0805-175L	JK-SMD0805-300L	JK-SMD0805-380L-12
	JK-SMD0805-110L-12	JK-SMD0805-175L-12	JK-SMD0805-300L-12	JK-SMD0805-400L
	JK-SMD0805-125L	JK-SMD0805-200L	JK-SMD0805-350L	JK-SMD0805-400L-12
	JK-SMD0805-125L-12	JK-SMD0805-200L-12		

Polymer PTC Resettable Fuse JK-nSMD(L) Series

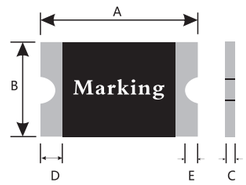


Features :

- RoHS Compliant & Halogen Free
- Faster tripping, 1206L Dimension, Surface mountable, Solid state
- Operating Current: 1.5A~7.5A, @25℃
- Maximum Voltage: 6V/12V
- Operating Temperature: -40℃~ 85℃
- Agency recognition:

E217453

Product Dimensions (mm)



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS186-9E and ANSI/J-STD-002 Category 3.

Part Number	Marking	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
JK-nSMD150L	JC	3.00	3.50	1.50	1.80	0.30	0.70	0.15	0.10
JK-nSMD150L-12	JC	3.00	3.50	1.50	1.80	0.30	0.70	0.15	0.10
JK-nSMD175L	JD	3.00	3.50	1.50	1.80	0.30	0.70	0.15	0.10
JK-nSMD175L-12	JD	3.00	3.50	1.50	1.80	0.30	0.70	0.15	0.10
JK-nSMD200L	JD	3.00	3.50	1.50	1.80	0.30	0.70	0.15	0.10
JK-nSMD200L-12	JD	3.00	3.50	1.50	1.80	0.30	0.70	0.15	0.10
JK-nSMD260L	JL	3.00	3.50	1.50	1.80	0.40	1.00	0.15	0.10
JK-nSMD260L-12	JL	3.00	3.50	1.50	1.80	0.40	1.00	0.15	0.10
JK-nSMD300L	JL	3.00	3.50	1.50	1.80	0.40	1.20	0.15	0.10
JK-nSMD300L-12	JL	3.00	3.50	1.50	1.80	0.40	1.20	0.15	0.10
JK-nSMD350L	JL	3.00	3.50	1.50	1.80	0.40	1.20	0.15	0.10
JK-nSMD350L-12	JL	3.00	3.50	1.50	1.80	0.40	1.20	0.15	0.10
JK-nSMD380L	JR	3.00	3.50	1.50	1.80	0.40	1.20	0.15	0.10
JK-nSMD380L-12	JR	3.00	3.50	1.50	1.80	0.40	1.20	0.15	0.10
JK-nSMD400L	JR	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
JK-nSMD400L-12	JR	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
JK-nSMD450L	JR	3.00	3.50	1.50	1.80	0.50	1.40	0.15	0.10
JK-nSMD450L-12	JR	3.00	3.50	1.50	1.80	0.50	1.40	0.15	0.10
JK-nSMD500L	JP	3.00	3.50	1.50	1.80	0.50	1.40	0.15	0.10
JK-nSMD500L-12	JP	3.00	3.50	1.50	1.80	0.50	1.40	0.15	0.10
JK-nSMD550L	JP	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD550L-12	JP	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD600L	JS	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD600L-12	JS	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10

JK-nSMD650L	JS	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD650L-12	JS	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD700L	JT	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD700L-12	JT	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD750L	JT	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10
JK-nSMD750L-12	JT	3.00	3.50	1.50	1.80	0.60	1.60	0.15	0.10

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
						Current	Time	R_{Min}	$R1_{Max}$
	(V)	(A)	(A)	(A)	(W)	(A)	(Sec)	(Ω)	(Ω)
JK-nSMD150L	6.0	50.0	1.5	3.0	0.8	8.0	5.0	0.01	0.065
JK-nSMD150L-12	12.0	50.0	1.5	3.0	0.8	8.0	5.0	0.01	0.065
JK-nSMD175L	6.0	50.0	1.75	3.5	0.8	8.0	5.0	0.01	0.06
JK-nSMD175L-12	12.0	50.0	1.75	3.5	0.8	8.0	5.0	0.01	0.06
JK-nSMD200L	6.0	50.0	2.0	4.0	0.8	8.0	5.0	0.008	0.04
JK-nSMD200L-12	12.0	50.0	2.0	4.0	0.8	8.0	5.0	0.008	0.04
JK-nSMD260L	6.0	50.0	2.6	5.2	0.8	8.0	5.0	0.004	0.026
JK-nSMD260L-12	12.0	50.0	2.6	5.2	0.8	8.0	5.0	0.004	0.026
JK-nSMD300L	6.0	50.0	3.0	6.0	0.8	15.0	2.0	0.004	0.02
JK-nSMD300L-12	12.0	50.0	3.0	6.0	0.8	15.0	2.0	0.004	0.02
JK-nSMD350L	6.0	50.0	3.5	7.0	1.0	17.5	2.0	0.004	0.018
JK-nSMD350L-12	12.0	50.0	3.5	7.0	1.0	17.5	2.0	0.004	0.018
JK-nSMD380L	6.0	50.0	3.8	7.6	1.0	19.0	2.0	0.004	0.016
JK-nSMD380L-12	12.0	50.0	3.8	7.6	1.0	19.0	2.0	0.004	0.016
JK-nSMD400L	6.0	50.0	4.0	8.0	1.0	20.0	2.0	0.004	0.014
JK-nSMD400L-12	12.0	50.0	4.0	8.0	1.0	20.0	2.0	0.004	0.014
JK-nSMD450L	6.0	50.0	4.5	9.0	1.0	22.5	2.0	0.002	0.012
JK-nSMD450L-12	12.0	50.0	4.5	9.0	1.0	22.5	2.0	0.002	0.012
JK-nSMD500L	6.0	50.0	5.0	10.0	1.0	25.0	2.0	0.002	0.011
JK-nSMD500L-12	12.0	50.0	5.0	10.0	1.0	25.0	2.0	0.002	0.011
JK-nSMD550L	6.0	50.0	5.5	11.0	1.2	27.5	2.0	0.002	0.010
JK-nSMD550L-12	12.0	50.0	5.5	11.0	1.2	27.5	2.0	0.002	0.010
JK-nSMD600L	6.0	50.0	6.0	12.0	1.2	30.0	2.0	0.002	0.009
JK-nSMD600L-12	12.0	50.0	6.0	12.0	1.2	30.0	2.0	0.002	0.009
JK-nSMD650L	6.0	50.0	6.5	13.0	1.2	32.5	2.0	0.001	0.009
JK-nSMD650L-12	12.0	50.0	6.5	13.0	1.2	32.5	2.0	0.001	0.009
JK-nSMD700L	6.0	50.0	7.0	14.0	1.2	35.0	2.0	0.001	0.008
JK-nSMD700L-12	12.0	50.0	7.0	14.0	1.2	35.0	2.0	0.001	0.008
JK-nSMD750L	6.0	50.0	7.5	15.0	1.2	37.5	2.0	0.001	0.007
JK-nSMD750L-12	12.0	50.0	7.5	15.0	1.2	37.5	2.0	0.001	0.007

Thermal Derating Chart-I_H (A)

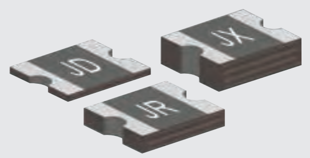
Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-nSMD150L	2.01	1.77	1.62	1.50	1.22	1.12	1.04	0.87	0.61

JK-nSMD150L-12	2.01	1.77	1.62	1.50	1.22	1.12	1.04	0.87	0.61
JK-nSMD175L	2.34	2.05	1.89	1.75	1.44	1.31	1.20	1.00	0.72
JK-nSMD175L-12	2.34	2.05	1.89	1.75	1.44	1.31	1.20	1.00	0.72
JK-nSMD200L	2.68	2.33	2.15	2.00	1.66	1.49	1.37	1.15	0.80
JK-nSMD200L-12	2.68	2.33	2.15	2.00	1.66	1.49	1.37	1.15	0.80
JK-nSMD260L	3.49	3.05	2.82	2.60	2.15	1.93	1.78	1.49	1.04
JK-nSMD260L-12	3.49	3.05	2.82	2.60	2.15	1.93	1.78	1.49	1.04
JK-nSMD300L	4.03	3.51	3.26	3.00	2.49	2.23	2.06	1.71	1.20
JK-nSMD300L-12	4.03	3.51	3.26	3.00	2.49	2.23	2.06	1.71	1.20
JK-nSMD350L	4.70	4.10	3.80	3.50	2.90	2.60	2.40	2.00	1.40
JK-nSMD350L-12	4.70	4.10	3.80	3.50	2.90	2.60	2.40	2.00	1.40
JK-nSMD380L	6.40	4.85	4.25	3.80	3.20	2.80	2.49	2.05	1.43
JK-nSMD380L-12	6.40	4.85	4.25	3.80	3.20	2.80	2.49	2.05	1.43
JK-nSMD400L	6.74	5.11	4.47	4.00	3.37	2.95	2.62	2.16	1.51
JK-nSMD400L-12	6.74	5.11	4.47	4.00	3.37	2.95	2.62	2.16	1.51
JK-nSMD450L	6.85	5.92	5.47	4.50	3.73	3.34	3.00	2.35	1.55
JK-nSMD450L-12	6.85	5.92	5.47	4.50	3.73	3.34	3.00	2.35	1.55
JK-nSMD500L	7.30	6.34	5.66	5.00	4.42	3.85	3.47	3.12	2.38
JK-nSMD500L-12	7.30	6.34	5.66	5.00	4.42	3.85	3.47	3.12	2.38
JK-nSMD550L	8.03	6.97	6.32	5.50	4.86	4.24	3.82	3.43	2.62
JK-nSMD550L-12	8.03	6.97	6.32	5.50	4.86	4.24	3.82	3.43	2.62
JK-nSMD600L	8.46	7.60	6.75	6.00	5.15	4.35	4.00	3.55	2.86
JK-nSMD600L-12	8.46	7.60	6.75	6.00	5.15	4.35	4.00	3.55	2.86
JK-nSMD650L	9.17	8.23	7.31	6.50	5.58	4.60	4.33	3.73	3.10
JK-nSMD650L-12	9.17	8.23	7.31	6.50	5.58	4.60	4.33	3.73	3.10
JK-nSMD700L	9.87	8.87	7.88	7.00	6.01	4.96	4.67	4.01	3.34
JK-nSMD700L-12	9.87	8.87	7.88	7.00	6.01	4.96	4.67	4.01	3.34
JK-nSMD750L	10.58	9.50	8.44	7.50	6.44	5.31	5.00	4.30	3.58
JK-nSMD750L-12	10.58	9.50	8.44	7.50	6.44	5.31	5.00	4.30	3.58

Packaging Quantity

Quantity	5000		3500	
Part Number	JK-nSMD150L	JK-nSMD260L	JK-nSMD380L	JK-nSMD550L-12
	JK-nSMD150L-12	JK-nSMD260L-12	JK-nSMD380L-12	JK-nSMD600L
	JK-nSMD175L	JK-nSMD300L	JK-nSMD400L	JK-nSMD600L-12
	JK-nSMD175L-12	JK-nSMD300L-12	JK-nSMD400L-12	JK-nSMD650L
	JK-nSMD200L	JK-nSMD350L	JK-nSMD450L	JK-nSMD650L-12
	JK-nSMD200L-12	JK-nSMD350L-12	JK-nSMD450L-12	JK-nSMD700L
			JK-nSMD500L	JK-nSMD700L-12
			JK-nSMD500L-12	JK-nSMD750L
			JK-nSMD550L	JK-nSMD750L-12

Polymer PTC Resettable Fuse JK–SMD1210(L) Series



Features :

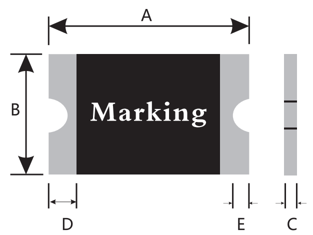
- RoHS Compliant & Halogen Free
- Faster tripping, 1210L Dimension, Surface mountable, Solid state
- Operating Current: 1.5A~7.5A, @25℃
- Maximum Voltage: 6V/12V
- Operating Temperature：-40℃~ 85℃
- Agency recognition:

E217453

RoHS Compliant

(UNDER REVIEW)

Product Dimensions (mm)



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS186-9E and ANSI/J-STD-002 Category 3.

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
JK-SMD1210-350L	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	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	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	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	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	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	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	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	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	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

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
						Current	Time	R_{Min}	$R1_{Max}$
	(V)	(A)	(A)	(A)	(W)	(A)	(Sec)	(Ω)	(Ω)
JK-SMD1210-150L	6.0	50.0	1.5	3.0	0.8	8.0	2.0	0.010	0.060
JK-SMD1210-150L-12	12.0	50.0	1.5	3.0	0.8	8.0	2.0	0.010	0.060
JK-SMD1210-175L	6.0	50.0	1.75	3.5	0.8	8.0	2.0	0.005	0.040
JK-SMD1210-175L-12	12.0	50.0	1.75	3.5	0.8	8.0	2.0	0.005	0.040
JK-SMD1210-190L	6.0	50.0	1.9	3.8	0.8	8.0	3.0	0.006	0.037
JK-SMD1210-190L-12	12.0	50.0	1.9	3.8	0.8	8.0	3.0	0.006	0.037
JK-SMD1210-200L	6.0	50.0	2.0	4.0	0.8	8.0	3.0	0.006	0.035
JK-SMD1210-200L-12	12.0	50.0	2.0	4.0	0.8	8.0	3.0	0.006	0.035
JK-SMD1210-260L	6.0	50.0	2.6	5.2	0.8	13.0	2.0	0.003	0.025
JK-SMD1210-260L-12	12.0	50.0	2.6	5.2	0.8	13.0	2.0	0.003	0.025
JK-SMD1210-300L	6.0	50.0	3.0	6.0	0.8	15.0	2.0	0.003	0.02
JK-SMD1210-300L-12	12.0	50.0	3.0	6.0	0.8	15.0	2.0	0.003	0.02
JK-SMD1210-350L	6.0	50.0	3.5	7.0	0.8	17.5	2.0	0.002	0.018
JK-SMD1210-350L-12	12.0	50.0	3.5	7.0	0.8	17.5	2.0	0.002	0.018
JK-SMD1210-380L	6.0	50.0	3.8	7.6	0.8	19.0	2.0	0.002	0.016
JK-SMD1210-380L-12	12.0	50.0	3.8	7.6	0.8	19.0	2.0	0.002	0.016
JK-SMD1210-400L	6.0	50.0	4.0	8.0	0.8	20.0	2.0	0.002	0.014
JK-SMD1210-400L-12	12.0	50.0	4.0	8.0	0.8	20.0	2.0	0.002	0.014
JK-SMD1210-450L	6.0	50.0	4.5	9.0	1.0	22.5	2.0	0.001	0.013
JK-SMD1210-450L-12	12.0	50.0	4.5	9.0	1.0	22.5	2.0	0.001	0.013
JK-SMD1210-500L	6.0	50.0	5.0	10.0	1.0	25.0	2.0	0.001	0.012
JK-SMD1210-500L-12	12.0	50.0	5.0	10.0	1.0	25.0	2.0	0.001	0.012
JK-SMD1210-550L	6.0	50.0	5.5	11.0	1.0	27.5	2.0	0.001	0.011
JK-SMD1210-550L-12	12.0	50.0	5.5	11.0	1.0	27.5	2.0	0.001	0.011
JK-SMD1210-600L	6.0	50.0	6.0	12.0	1.2	30.0	2.0	0.001	0.010
JK-SMD1210-600L-12	12.0	50.0	6.0	12.0	1.2	30.0	2.0	0.001	0.010

JK-SMD1210-650L	6.0	50.0	6.5	13.0	1.2	32.5	2.0	0.001	0.009
JK-SMD1210-650L-12	12.0	50.0	6.5	13.0	1.2	32.5	2.0	0.001	0.009
JK-SMD1210-700L	6.0	50.0	7.0	14.0	1.2	35.0	2.0	0.001	0.008
JK-SMD1210-700L-12	12.0	50.0	7.0	14.0	1.2	35.0	2.0	0.001	0.008
JK-SMD1210-750L	6.0	50.0	7.5	15.0	1.2	37.5	2.0	0.001	0.007
JK-SMD1210-750L-12	12.0	50.0	7.5	15.0	1.2	37.5	2.0	0.001	0.007

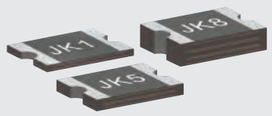
Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-SMD1210-150L	2.25	2.00	1.75	1.50	1.33	1.15	1.05	0.93	0.70
JK-SMD1210-150L-12	2.25	2.00	1.75	1.50	1.33	1.15	1.05	0.93	0.70
JK-SMD1210-175L	2.55	2.33	2.02	1.75	1.53	1.35	1.23	1.07	0.85
JK-SMD1210-175L-12	2.55	2.33	2.02	1.75	1.53	1.35	1.23	1.07	0.85
JK-SMD1210-190L	2.81	2.53	2.20	1.90	1.67	1.47	1.34	1.17	0.91
JK-SMD1210-190L-12	2.81	2.53	2.20	1.90	1.67	1.47	1.34	1.17	0.91
JK-SMD1210-200L	2.96	2.67	2.32	2.00	1.76	1.55	1.41	1.23	0.96
JK-SMD1210-200L-12	2.96	2.67	2.32	2.00	1.76	1.55	1.41	1.23	0.96
JK-SMD1210-260L	3.85	3.47	3.02	2.60	2.29	2.01	1.84	1.59	1.25
JK-SMD1210-260L-12	3.85	3.47	3.02	2.60	2.29	2.01	1.84	1.59	1.25
JK-SMD1210-300L	4.44	4.00	3.48	3.00	2.64	2.32	2.12	1.84	1.44
JK-SMD1210-300L-12	4.44	4.00	3.48	3.00	2.64	2.32	2.12	1.84	1.44
JK-SMD1210-350L	5.18	4.67	4.06	3.50	3.08	2.71	2.47	2.15	1.68
JK-SMD1210-350L-12	5.18	4.67	4.06	3.50	3.08	2.71	2.47	2.15	1.68
JK-SMD1210-380L	5.62	5.07	4.41	3.80	3.34	2.94	2.68	2.33	1.82
JK-SMD1210-380L-12	5.62	5.07	4.41	3.80	3.34	2.94	2.68	2.33	1.82
JK-SMD1210-400L	5.92	5.33	4.64	4.00	3.52	3.09	2.83	2.45	1.92
JK-SMD1210-400L-12	5.92	5.33	4.64	4.00	3.52	3.09	2.83	2.45	1.92
JK-SMD1210-450L	6.66	6.00	5.22	4.50	3.96	3.48	3.17	2.76	2.16
JK-SMD1210-450L-12	6.66	6.00	5.22	4.50	3.96	3.48	3.17	2.76	2.16
JK-SMD1210-500L	7.40	6.67	5.80	5.00	4.40	3.87	3.53	3.07	2.40
JK-SMD1210-500L-12	7.40	6.67	5.80	5.00	4.40	3.87	3.53	3.07	2.40
JK-SMD1210-550L	8.14	7.34	6.38	5.50	4.84	4.26	3.88	3.38	2.64
JK-SMD1210-550L-12	8.14	7.34	6.38	5.50	4.84	4.26	3.88	3.38	2.64
JK-SMD1210-600L	8.65	7.91	6.93	6.00	5.23	4.45	4.00	3.63	2.85
JK-SMD1210-600L-12	8.65	7.91	6.93	6.00	5.23	4.45	4.00	3.63	2.85
JK-SMD1210-650L	9.20	8.45	7.45	6.50	5.60	4.65	4.30	3.89	3.00
JK-SMD1210-650L-12	9.20	8.45	7.45	6.50	5.60	4.65	4.30	3.89	3.00
JK-SMD1210-700L	9.84	9.00	7.95	7.00	5.96	4.95	4.50	4.16	3.20
JK-SMD1210-700L-12	9.84	9.00	7.95	7.00	5.96	4.95	4.50	4.16	3.20
JK-SMD1210-750L	10.5	9.65	8.50	7.50	6.40	5.30	4.80	4.45	4.42
JK-SMD1210-750L-12	10.5	9.65	8.50	7.50	6.40	5.30	4.80	4.45	4.42

Packaging Quantity

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

Polymer PTC Resettable Fuse JK-mSMD(L) Series

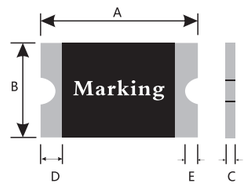


Features :

- RoHS Compliant & Halogen Free
- Faster tripping, 1812L Dimension, Surface mountable, Solid
- state
- Operating Current: 1.9A~9.0A, @25℃
- Maximum Voltage: 6V/12V
- Operating Temperature: -40℃~ 85℃
- Agency recognition:

® E217453 RoHS Compliant TÜV SÜD (UNDER REVIEW)

Product Dimensions (mm)



Terminal pad materials :Tin-Plated Nickle-copper
Terminal pad solderability : Meets EIA specification RS186-9E and ANSI/J-STD-002 Category 3.

Part Number	Marking	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
JK-mSMD190L	JK1	4.37	4.73	3.07	3.41	0.30	0.70	0.30	0.15
JK-mSMD190L-12	JK1	4.37	4.73	3.07	3.41	0.30	0.70	0.30	0.15
JK-mSMD260L	JK2	4.37	4.73	3.07	3.41	0.40	1.00	0.30	0.15
JK-mSMD260L-12	JK2	4.37	4.73	3.07	3.41	0.40	1.00	0.30	0.15
JK-mSMD300L	JK3	4.37	4.73	3.07	3.41	0.40	1.00	0.30	0.15
JK-mSMD300L-12	JK3	4.37	4.73	3.07	3.41	0.40	1.00	0.30	0.15
JK-mSMD350L	JK3	4.37	4.73	3.07	3.41	0.40	1.20	0.30	0.15
JK-mSMD350L-12	JK3	4.37	4.73	3.07	3.41	0.40	1.20	0.30	0.15
JK-mSMD400L	JK4	4.37	4.73	3.07	3.41	0.40	1.20	0.30	0.15
JK-mSMD400L-12	JK4	4.37	4.73	3.07	3.41	0.40	1.20	0.30	0.15
JK-mSMD450L	JK4	4.37	4.73	3.07	3.41	0.40	1.40	0.30	0.15
JK-mSMD450L-12	JK4	4.37	4.73	3.07	3.41	0.40	1.40	0.30	0.15
JK-mSMD500L	JK5	4.37	4.73	3.07	3.41	0.50	1.40	0.30	0.15
JK-mSMD500L-12	JK5	4.37	4.73	3.07	3.41	0.50	1.40	0.30	0.15
JK-mSMD550L	JK5	4.37	4.73	3.07	3.41	0.50	1.40	0.30	0.15
JK-mSMD550L-12	JK5	4.37	4.73	3.07	3.41	0.50	1.40	0.30	0.15
JK-mSMD600L	JK6	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD600L-12	JK6	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD650L	JK6	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD650L-12	JK6	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD700L	JK7	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD700L-12	JK7	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD750L	JK7	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD750L-12	JK7	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD800L	JK8	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD800L-12	JK8	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD850L	JK8	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD850L-12	JK8	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD900L	JK9	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15
JK-mSMD900L-12	JK9	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.15

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (Ω)
JK-mSMD190L	6.0	50.0	1.9	3.8	1.5	8.0	5.0	0.003	0.025
JK-mSMD190L-12	12.0	50.0	1.9	3.8	1.5	8.0	5.0	0.003	0.025
JK-mSMD260L	6.0	50.0	2.6	5.2	1.5	8.0	5.0	0.003	0.024
JK-mSMD260L-12	12.0	50.0	2.6	5.2	1.5	8.0	5.0	0.003	0.024
JK-mSMD300L	6.0	50.0	3.0	6.0	1.5	15.0	2.0	0.003	0.022
JK-mSMD300L-12	12.0	50.0	3.0	6.0	1.5	15.0	2.0	0.003	0.022
JK-mSMD350L	6.0	50.0	3.5	7.0	1.5	17.5	2.0	0.003	0.02
JK-mSMD350L-12	12.0	50.0	3.5	7.0	1.5	17.5	2.0	0.003	0.02
JK-mSMD400L	6.0	50.0	4.0	8.0	1.8	20.0	2.0	0.003	0.018
JK-mSMD400L-12	12.0	50.0	4.0	8.0	1.8	20.0	2.0	0.003	0.018
JK-mSMD450L	6.0	50.0	4.5	9.0	1.8	22.5	2.0	0.003	0.016
JK-mSMD450L-12	12.0	50.0	4.5	9.0	1.8	22.5	2.0	0.003	0.016
JK-mSMD500L	6.0	50.0	5.0	10.0	1.8	25.0	2.0	0.003	0.014
JK-mSMD500L-12	12.0	50.0	5.0	10.0	1.8	25.0	2.0	0.003	0.014
JK-mSMD550L	6.0	50.0	5.5	11.0	1.8	27.5	2.0	0.002	0.012
JK-mSMD550L-12	12.0	50.0	5.5	11.0	1.8	27.5	2.0	0.002	0.012
JK-mSMD600L	6.0	50.0	6.0	12.0	1.8	30.0	2.0	0.002	0.010
JK-mSMD600L-12	12.0	50.0	6.0	12.0	1.8	30.0	2.0	0.002	0.010
JK-mSMD650L	6.0	50.0	6.5	13.0	1.8	32.5	2.0	0.002	0.008
JK-mSMD650L-12	12.0	50.0	6.5	13.0	1.8	32.5	2.0	0.002	0.008
JK-mSMD700L	6.0	50.0	7.0	14.0	2.0	35.0	2.0	0.001	0.007
JK-mSMD700L-12	12.0	50.0	7.0	14.0	2.0	35.0	2.0	0.001	0.007
JK-mSMD750L	6.0	50.0	7.5	15.0	2.0	37.5	2.0	0.001	0.006
JK-mSMD750L-12	12.0	50.0	7.5	15.0	2.0	37.5	2.0	0.001	0.006
JK-mSMD800L	6.0	50.0	8.0	16.0	2.0	40.0	2.0	0.0008	0.005
JK-mSMD800L-12	12.0	50.0	8.0	16.0	2.0	40.0	2.0	0.0008	0.005
JK-mSMD850L	6.0	50.0	8.5	17.0	2.2	42.5	2.0	0.0008	0.004
JK-mSMD850L-12	12.0	50.0	8.5	17.0	2.2	42.5	2.0	0.0008	0.004
JK-mSMD900L	6.0	50.0	9.0	18.0	2.2	45.0	2.0	0.0005	0.003
JK-mSMD900L-12	12.0	50.0	9.0	18.0	2.2	45.0	2.0	0.0005	0.003

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK-mSMD190L	2.76	2.47	2.22	1.90	1.63	1.46	1.31	1.18	0.95
JK-mSMD190L-12	2.76	2.47	2.22	1.90	1.63	1.46	1.31	1.18	0.95
JK-mSMD260L	3.78	3.38	3.04	2.60	2.23	2.00	1.79	1.61	1.30
JK-mSMD260L-12	3.78	3.38	3.04	2.60	2.23	2.00	1.79	1.61	1.30
JK-mSMD300L	4.35	3.90	3.51	3.00	2.58	2.31	2.07	1.86	1.50
JK-mSMD300L-12	4.35	3.90	3.51	3.00	2.58	2.31	2.07	1.86	1.50
JK-mSMD350L	5.08	4.55	4.10	3.50	3.01	2.70	2.42	2.17	1.75
JK-mSMD350L-12	5.08	4.55	4.10	3.50	3.01	2.70	2.42	2.17	1.75
JK-mSMD400L	5.80	5.20	4.68	4.00	3.44	3.08	2.76	2.48	2.00
JK-mSMD400L-12	5.80	5.20	4.68	4.00	3.44	3.08	2.76	2.48	2.00
JK-mSMD450L	6.54	5.85	5.26	4.50	3.86	3.46	3.10	2.79	2.25
JK-mSMD450L-12	6.54	5.85	5.26	4.50	3.86	3.46	3.10	2.79	2.25
JK-mSMD500L	7.26	6.50	5.84	5.00	4.29	3.84	3.45	3.11	2.50
JK-mSMD500L-12	7.26	6.50	5.84	5.00	4.29	3.84	3.45	3.11	2.50
JK-mSMD550L	7.99	7.15	6.43	5.50	4.72	4.23	3.79	3.42	2.75
JK-mSMD550L-12	7.99	7.15	6.43	5.50	4.72	4.23	3.79	3.42	2.75
JK-mSMD600L	8.72	7.80	7.01	6.00	5.15	4.61	4.14	3.73	3.00
JK-mSMD600L-12	8.72	7.80	7.01	6.00	5.15	4.61	4.14	3.73	3.00
JK-mSMD650L	9.44	8.45	7.59	6.50	5.58	4.99	4.48	4.04	3.25
JK-mSMD650L-12	9.44	8.45	7.59	6.50	5.58	4.99	4.48	4.04	3.25
JK-mSMD700L	10.17	9.10	8.18	7.00	6.01	5.38	4.83	4.35	3.50
JK-mSMD700L-12	10.17	9.10	8.18	7.00	6.01	5.38	4.83	4.35	3.50
JK-mSMD750L	10.89	9.75	8.76	7.50	6.44	5.76	5.18	4.66	3.75
JK-mSMD750L-12	10.89	9.75	8.76	7.50	6.44	5.76	5.18	4.66	3.75
JK-mSMD800L	11.62	10.40	9.34	8.00	6.87	6.15	5.52	4.97	4.00
JK-mSMD800L-12	11.62	10.40	9.34	8.00	6.87	6.15	5.52	4.97	4.00
JK-mSMD850L	12.34	11.05	9.93	8.50	7.30	6.53	5.87	5.28	4.25
JK-mSMD850L-12	12.34	11.05	9.93	8.50	7.30	6.53	5.87	5.28	4.25
JK-mSMD900L	13.07	11.70	10.51	9.00	7.73	6.92	6.21	5.59	4.50
JK-mSMD900L-12	13.07	11.70	10.51	9.00	7.73	6.92	6.21	5.59	4.50

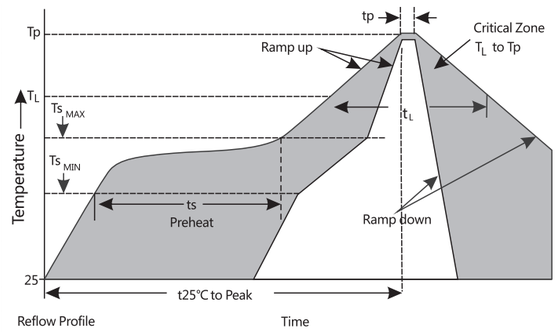
Packaging Quantity

Quantity	2000		1500	
Part Number	JK-mSMD190L	JK-mSMD400L	JK-mSMD600L	JK-mSMD750L-12
	JK-mSMD190L-12	JK-mSMD400L-12	JK-mSMD600L-12	JK-mSMD800L
	JK-mSMD260L	JK-mSMD450L	JK-mSMD650L	JK-mSMD800L-12
	JK-mSMD260L-12	JK-mSMD450L-12	JK-mSMD650L-12	JK-mSMD850L
	JK-mSMD300L	JK-mSMD500L	JK-mSMD700	JK-mSMD850L-12
	JK-mSMD300L-12	JK-mSMD500L-12	JK-mSMD700L-12	JK-mSMD900L
	JK-mSMD350L	JK-mSMD550L	JK-mSMD750L	JK-mSMD900L-12
	JK-mSMD350L-12	JK-mSMD550L-12		

NOTE

Solder Reflow Profiles

Profile Feature	Pb-Free Assembly
Average ramp up rate(T_{SMAX} to Tp)	3℃/second max.
Preheat	
•Temperature min.(T_{SMIN})	150℃
•Temperature max.(T_{SMAX})	200℃
•Time (t_{smin} to t_{smax})	60-120 seconds
Time maintained above:	
•Temperature (T_L)	217℃
•Time (t_L)	60-150 seconds
Peak/Classification temperature (T_P)	260℃
Time within 5℃ of actual peak temperature	
Time (t_p)	30 seconds max.
Ramp down rate	3℃/second max.
Time 25℃ to peak temperature	8 minutes max.



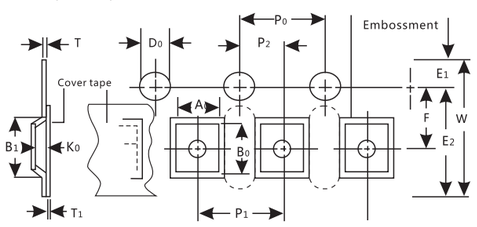
- Recommended reflow methods: IR, vapor phase oven, hot air oven, N2 environment for lead-free.
- Devices are not designed to be wave soldered to the bottom side of the board.
- Recommended maximum paste thickness is 0.25mm (0.010inch).
- Devices can be cleaned using standard industry methods and solvents.

Note 1: All temperature refer to topside of the package, measured on the package body surface.

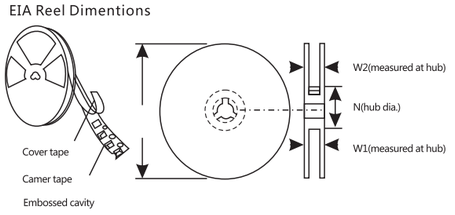
Note 2: If reflow temperature exceed the recommended profile, devices may not meet the performance requirements.

Tape Specification And Reel Dimensions

EIA Tape Component Dimentions



EIA Reel Dimentions

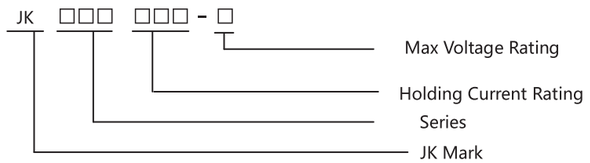


Coverning Specifications EIA 481-1(Unit:mm)	JK-SMD0603	JK-SMD0805	JK-SMD1206	JK-SMD1210	JK-SMD1812
W	8.0± 0.10	8.0± 0.30	8.15 +0.15/-0.3	8.0± 0.3	12.0 + 0.3/-0
P0	4.0 ± 0.10	4.0 ± 0.10	4.0 ± 0.10	4.0 ± 0.10	4.0 ± 0.1
P1	4.0± 0.10	4.0± 0.10	4.0± 0.10	4.0 ± 0.10	8.0 ± 0.1
P2	2.0 ± 0.05	2.0 ± 0.05	2.0 ± 0.05	2.0 ± 0.05	2.0 ± 0.1
A0	0.95 ± 0.10	1.65 ± 0.10	1.95 ± 0.10	2.82± 0.10	3.5± 0.1
B0	1.85± 0.05	2.35 ± 0.10	3.65 ± 0.10	3.46± 0.10	4.9± 0.1
D0	1.55± 0.05	1.55± 0.05	1.55± 0.05	1.55 ± 0.05	1.5 + 0.1/-0
F	3.50± 0.05	3.50± 0.05	3.50± 0.05	3.50± 0.05	5.5 ± 0.05
E1	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.1
T	0.20± 0.02	0.20± 0.10	0.20± 0.10	0.25 ± 0.10	0.3 ± 0.1
Leader min.	390	390	390	390	390
Trailer min.	160	160	160	160	160
Reel Dimensions					
A	178±1.0	178±1.0	178±1.0	178±1.0	178±1.0
N	59±1	59±1	59±1	59±1	59±1
W_1	8.5+1.0/-0.2	8.5+1.0/-0.2	8.5+1.0/-0.2	8.5+1.0/-0.2	8.5+1.0/-0.2
W_2	12.0±1	12.0±1	12.0±1	12.0±1	12.0±1

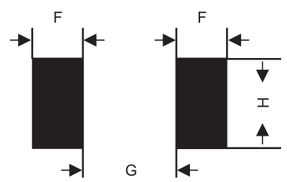
Physical Characteristics and Environmental Specifications

Physical Characteristics		
Terminal Materials	Tin-Plated Nickle-copper	
Soldering Zone	Meets EIA specification RS 186-9E and ANSI/J-STD-002 Category 3.	
Moisture Sensitivity	Level 2a, per IPC/JEDEC J-STD 020C	
Test Item	Test Conditions	Resistance Change
Passive Aging	85℃,1000 hours	±10% typical
Humidity Aging	85℃/85%RH.100 hours	±5% typical
Thermal Shock	MIL-STD-202,Method 107G+85℃/-40℃,20 times	-30% typical
Solvent Resistance	MIL-STD-202,Method 215	No change
Vibration	ML-STD-883C,Test Condition A	No change

Part Numbering System



Recommended Solder Pad Layout Dimensions (mm)

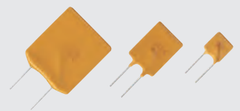


Part Number	F	G	H
	Normal Value	Normal Value	Normal Value
JK-SMD0603(L) Series	1.0	0.8	1.0
JK-SMD0805(L) Series	1.0	1.2	1.5
JK-nSMD(L) Series	1.0	1.8	1.8
JK-SMD1210(L) Series	1.0	2.0	2.5
JK-mSMD(L) Series	1.78	3.45	3.15

插件式

DIP

Polymer PTC Resettable Fuse JK16 Series



Features :

- RoHS Compliant & Halogen Free
- Radial-leaded Devices
- Cured，flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Operation Current: 0.1A~14A，Maximum Voltage: 16Vdc，
- Operating Temperature: -40℃ TO 85℃
- Agency recognition:

RoHS Compliant

TÜVRheinland® Precisely Right.

Product Dimensions

Fig.1

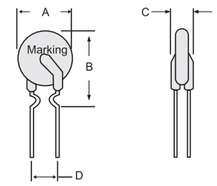
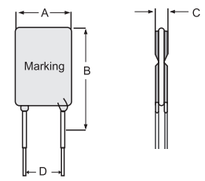


Fig.2



Unit ：mm

Part Number	Dimensions （mm）				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JK16-010(T)	5.5	12.0	3.0	5.1	24AWG/Φ0.5	1
JK16-025(T)	5.5	12.0	3.0	5.1	24AWG/Φ0.5	1
JK16-030(T)	5.5	12.0	3.0	5.1	24AWG/Φ0.5	1
JK16-050(T)	5.5	12.0	3.0	5.1	24AWG/Φ0.5	1
JK16-075(T)	7.4	13.5	3.0	5.1	24AWG/Φ0.5	1
JK16-090(T)	7.4	13.5	3.0	5.1	24AWG/Φ0.5	1
JK16-110(T)	7.4	13.5	3.0	5.1	24AWG/Φ0.5	1
JK16-135(T)	7.4	13.5	3.0	5.1	24AWG/Φ0.5	1
JK16-160(T)	7.4	14.0	3.0	5.1	24AWG/Φ0.5	1
JK16-200(T)	9.0	12.0	3.0	5.1	24AWG/Φ0.5	2
JK16-300	9.0	12.0	3.0	5.1	20AWG/Φ0.8	2
JK16-400	10.0	13.0	3.0	5.1	20AWG/Φ0.8	2
JK16-500	11.8	17.5	3.0	5.1	20AWG/Φ0.8	2
JK16-600	13.5	17.5	3.0	5.1	20AWG/Φ0.8	2
JK16-700	13.5	23.0	3.0	5.1	20AWG/Φ0.8	2
JK16-800	13.5	23.0	3.0	5.1	20AWG/Φ0.8	2
JK16-900	15.0	24.0	3.0	5.1	20AWG/Φ0.8	2

JK16-1000	18.0	26.0	3.0	5.1	20AWG/Φ0.8	2
JK16-1100	18.0	26.0	3.0	5.1	20AWG/Φ0.8	2
JK16-1200	22.5	26.0	3.0	10.2	20AWG/Φ0.8	2
JK16-1300	24.0	30.0	3.0	10.2	20AWG/Φ0.8	2
JK16-1400	24.0	30.0	3.0	10.2	20AWG/Φ0.8	2

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (mΩ)	$R1_{Max}$ (mΩ)
JK16-010(T)	16	100	0.1	0.3	0.38	0.5	5	1500	7500
JK16-025(T)	16	100	0.25	0.5	0.45	1.25	5	500	1950
JK16-030(T)	16	100	0.3	0.6	0.49	1.5	5	300	700
JK16-050(T)	16	100	0.5	1.0	0.56	2.5	5	200	500
JK16-075(T)	16	100	0.75	1.5	0.72	3.75	5	100	320
JK16-090(T)	16	100	0.9	1.8	0.83	4.5	5	90	180
JK16-110(T)	16	100	1.1	2.2	0.94	5.5	5	60	150
JK16-135(T)	16	100	1.35	2.7	1.2	6.75	5	40	130
JK16-160(T)	16	100	1.6	3.2	1.4	8	5	40	110
JK16-200(T)	16	100	2	4	2.2	6	15	35	75
JK16-300	16	100	3	6	2.3	9	15	20	60
JK16-400	16	100	4	8	2.4	12	15	20	40
JK16-500	16	100	5	10	2.6	15	15	14	25
JK16-600	16	100	6	12	2.8	18	15	10	21
JK16-700	16	100	7	14	3.0	21	15	8	15
JK16-800	16	100	8	16	3.0	24	15	6	13
JK16-900	16	100	9	18	3.3	27	25	4	12
JK16-1000	16	100	10	20	3.7	30	30	4	11
JK16-1100	16	100	11	22	3.7	33	30	3	9
JK16-1200	16	100	12	24	4.2	36	30	3	8
JK16-1300	16	100	13	26	4.2	39	50	3	8
JK16-1400	16	100	14	28	4.2	40	50	3	7

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)									
	-40	-20	0	25	40	50	60	70	80	85
JK16-010(T)	0.14	0.13	0.12	0.10	0.09	0.08	0.08	0.07	0.06	0.04
JK16-025(T)	0.37	0.33	0.30	0.25	0.24	0.22	0.20	0.17	0.15	0.11
JK16-030(T)	0.44	0.39	0.36	0.30	0.28	0.26	0.24	0.21	0.18	0.14
JK16-050(T)	0.74	0.66	0.60	0.50	0.48	0.44	0.40	0.35	0.30	0.23
JK16-075(T)	1.11	0.99	0.90	0.75	0.72	0.66	0.60	0.53	0.45	0.35

JK16-090(T)	1.33	1.18	1.08	0.90	0.86	0.79	0.72	0.63	0.54	0.42
JK16-110(T)	1.62	1.45	1.32	1.10	1.05	0.96	0.88	0.78	0.67	0.51
JK16-135(T)	1.99	1.78	1.62	1.35	1.29	1.18	1.08	0.95	0.82	0.63
JK16-160(T)	2.36	2.11	1.92	1.60	1.53	1.40	1.28	1.13	0.97	0.75
JK16-200(T)	2.96	2.64	2.40	2.00	1.92	1.76	1.60	1.42	1.22	0.94
JK16-300	4.44	3.96	3.60	3.00	2.88	2.64	2.40	2.13	1.83	1.41
JK16-400	5.92	5.28	4.80	4.00	3.84	3.52	3.20	2.84	2.44	1.88
JK16-500	7.40	6.60	6.00	5.00	4.80	4.40	4.00	3.55	3.05	2.35
JK16-600	8.88	7.92	7.20	6.00	5.76	5.28	4.80	4.26	3.66	2.82
JK16-700	10.36	9.24	8.40	7.00	6.72	6.16	5.60	4.97	4.27	3.29
JK16-800	11.84	10.56	9.60	8.00	7.68	7.04	6.40	5.68	4.88	3.76
JK16-900	13.32	11.88	10.80	9.00	8.64	7.92	7.20	6.39	5.49	4.23
JK16-1000	14.80	13.20	12.00	10.00	9.60	8.80	8.00	7.10	6.10	4.70
JK16-1100	16.28	14.52	13.20	11.00	10.56	9.68	8.80	7.81	6.71	5.17
JK16-1200	17.76	15.84	14.40	12.00	11.52	10.56	9.60	8.52	7.32	5.64
JK16-1300	19.24	17.16	15.60	13.00	12.48	11.44	10.40	9.23	7.93	6.11
JK16-1400	20.72	18.48	16.80	14.00	13.44	12.32	11.20	9.94	8.54	6.58

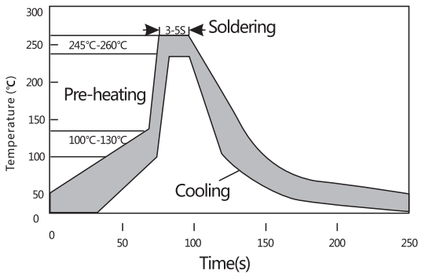
Environmental Specifications

Test	Conditions	Resistance change
Passive Aging	+85℃ , 1000hours	±8% typical
Humidity Aging	+85℃ , 85%R.H.1000hours	±8% typical
Thermal Shock	+125℃ to -55℃ , 10 Times	±12% typical
SolventResistance	MIL-STD-202 , Method 215F	No change
Vibration	MIL-STD-202 , Method 201	No change

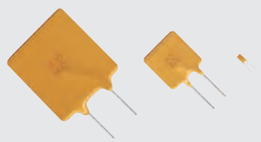
Soldering Method

Wave Soldering
Soldering Temperature:245℃~260℃
Soldering Time:≤5sec
Soldering Position: Resettable fuse lead and the distance fromthe bottom ≥ 6mm

Manual soldering
Soldering Temperature:250℃~280℃
Soldering Time: ≤3sec
Soldering Position: Resettable fuse lead and the distance fromthe bottom ≥ 6mm



Polymer PTC Resettable Fuse JK30 Series



Features :

- RoHS Compliant & Halogen Free
- Radial-leaded Devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Operation Current: 0.5A~9A , Maximum Voltage: 30Vdc, Operating Temperature: -40℃ TO 85℃
- Agency recognition:

No.E217453

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RoHS Compliant

Product Dimensions

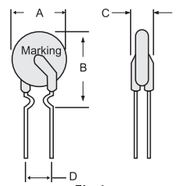


Fig.1

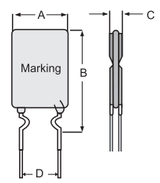


Fig.2

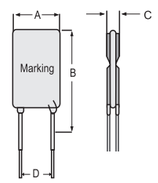


Fig.3

Unit ：mm

Part Number	Dimensions （mm）				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JK30-050	7.4	12.7	3.0	5.1	24AWG/Φ0.5	1
JK30-075	7.4	13.0	3.0	5.1	24AWG/Φ0.5	1
JK30-090	7.4	18.5	3.0	5.1	24AWG/Φ0.5	2
JK30-110	7.4	18.5	3.0	5.1	24AWG/Φ0.5	2
JK30-120	7.4	18.5	3.0	5.1	24AWG/Φ0.5	2
JK30-135	9.2	17.6	3.0	5.1	24AWG/Φ0.5	2
JK30-160	9.2	20.2	3.0	5.1	24AWG/Φ0.5	2
JK30-185	9.2	20.2	3.0	5.1	24AWG/Φ0.5	2
JK30-200	15.2	20.2	3.0	5.1	24AWG/Φ0.5	2
JK30-250	13.2	22.4	3.0	5.1	24AWG/Φ0.5	2
JK30-300	13.2	20.4	3.0	5.1	20AWG/Φ0.8	3
JK30-400	14.0	23.7	3.0	5.1	20AWG/Φ0.8	3
JK30-500	14.0	23.7	3.0	10.2	20AWG/Φ0.8	3
JK30-600	17.2	27.0	3.0	10.2	20AWG/Φ0.8	3
JK30-700	17.2	27.0	3.0	10.2	20AWG/Φ0.8	3
JK30-800	23.5	29.2	3.0	10.2	20AWG/Φ0.8	3
JK30-900	23.5	29.2	3.0	10.2	20AWG/Φ0.8	3

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (mΩ)	$R1_{Max}$ (mΩ)
JK30-050	30	40	0.5	1.0	0.5	2.5	5.0	250	600
JK30-075	30	40	0.75	1.5	0.6	3.75	5.0	200	370
JK30-090	30	40	0.90	1.8	0.7	4.5	8.0	100	220
JK30-110	30	40	1.10	2.2	0.7	5.5	8.0	70	200
JK30-120	30	40	1.20	2.4	0.8	6.0	8.0	80	180
JK30-135	30	40	1.35	2.7	0.8	6.75	8.0	70	160
JK30-160	30	40	1.60	3.2	0.9	8.0	8.0	60	140
JK30-185	30	40	1.85	3.7	1.0	9.25	8.0	50	120
JK30-200	30	40	2.00	4.0	1.2	10.0	11	40	100
JK30-250	30	40	2.50	5.0	1.2	12.5	11	30	80
JK30-300	30	40	3.00	6.0	2.0	15.0	11	30	70
JK30-400	30	40	4.00	8.0	2.5	20.0	12.7	10	60
JK30-500	30	40	5.00	10	3.0	25.0	14.5	10	50
JK30-600	30	40	6.00	12	3.5	30.0	16	5	40
JK30-700	30	40	7.00	14	3.8	35.0	17.5	5	30
JK30-800	30	40	8.00	16	4.0	40.0	18.8	5	25
JK30-900	30	40	9.00	18	4.2	40.0	20	5	20

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)									
	-40	-20	0	25	40	50	60	70	80	85
JK30-050	0.72	0.65	0.57	0.50	0.45	0.41	0.38	0.34	0.30	0.25
JK30-075	1.08	0.97	0.86	0.75	0.68	0.62	0.57	0.51	0.45	0.37
JK30-090	1.30	1.17	1.03	0.90	0.81	0.74	0.69	0.61	0.54	0.45
JK30-110	1.59	1.43	1.26	1.10	1.00	0.91	0.84	0.74	0.67	0.55
JK30-120	1.74	1.56	1.38	1.20	1.09	0.99	0.92	0.81	0.73	0.60
JK30-135	1.95	1.75	1.55	1.35	1.22	1.12	1.03	0.91	0.82	0.67
JK30-160	2.32	2.08	1.84	1.60	1.45	1.32	1.23	1.08	0.97	0.80
JK30-185	2.68	2.40	2.12	1.85	1.68	1.53	1.42	1.25	1.12	0.92
JK30-200	2.90	2.60	2.30	2.00	1.82	1.66	1.54	1.36	1.22	1.00
JK30-250	3.62	3.25	2.87	2.50	2.27	2.07	1.92	1.70	1.52	1.25
JK30-300	4.35	3.90	3.45	3.00	2.73	2.49	2.31	2.04	1.83	1.50
JK30-400	5.80	5.20	4.60	4.00	3.64	3.32	3.08	2.72	2.44	2.00
JK30-500	7.25	6.50	5.75	5.00	4.55	4.15	3.85	3.40	3.05	2.50
JK30-600	8.70	7.80	6.90	6.00	5.46	4.98	4.62	4.08	3.66	3.00
JK30-700	10.15	9.10	8.05	7.00	6.37	5.81	5.39	4.76	4.27	3.50
JK30-800	11.60	10.40	9.20	8.00	7.28	6.64	6.16	5.44	4.88	4.00
JK30-900	13.05	11.70	10.35	9.00	8.19	7.47	6.93	6.12	5.49	4.50

Polymer PTC Resettable Fuse JK60 Series

Features :

- RoHS Compliant & Halogen Free
- Radial-leaded Devices
- Cured，flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Operation Current: 0.05A~5A ，Maximum Voltage: 60Vdc，Operating Temperature：-40℃ TO 85℃
- Agency recognition:

No.E217453

TÜVRheinland®
Precisely Right.

RoHS Compliant

Product Dimensions

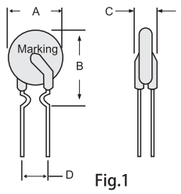


Fig.1

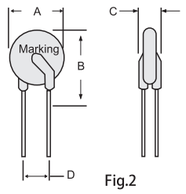


Fig.2

Unit ：mm

Part Number	Dimensions （mm）				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JK60-005	5.0	8.5	3.0	5.1	24AWG/Φ0.5	1
JK60-010	5.5	9.5	3.0	5.1	24AWG/Φ0.5	1
JK60-017	7.4	12.7	3.0	5.1	24AWG/Φ0.5	1
JK60-020	7.4	12.7	3.0	5.1	24AWG/Φ0.5	1
JK60-025	7.4	12.7	3.0	5.1	24AWG/Φ0.5	1
JK60-030	7.4	13.0	3.0	5.1	24AWG/Φ0.5	1
JK60-040	7.8	16.2	3.0	5.1	24AWG/Φ0.5	1
JK60-050	7.8	16.2	3.0	5.1	24AWG/Φ0.5	1
JK60-065	9.7	17.8	3.0	5.1	22AWG/Φ0.6	1
JK60-075	10.4	18.4	3.0	5.1	22AWG/Φ0.6	1
JK60-090	11.7	18.4	3.0	5.1	22AWG/Φ0.6	1
JK60-110	13.0	18.0	3.0	5.1	20AWG/Φ0.8	2
JK60-135	14.5	19.6	3.0	5.1	20AWG/Φ0.8	2
JK60-160	16.3	21.3	3.0	5.1	20AWG/Φ0.8	2
JK60-185	17.8	22.9	3.0	5.1	20AWG/Φ0.8	2
JK60-200	17.8	22.9	3.0	5.1	20AWG/Φ0.8	2
JK60-250	21.3	26.4	3.0	10.2	20AWG/Φ0.8	2
JK60-300	21.3	26.4	3.0	10.2	20AWG/Φ0.8	2
JK60-375	28.5	33.5	3.0	10.2	20AWG/Φ0.8	2
JK60-500	28.5	33.5	3.0	10.2	20AWG/Φ0.8	2

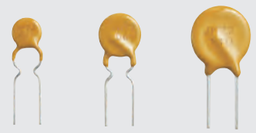
Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (Ω)	$R1_{Max}$ (Ω)
JK60-005	60	40	0.05	0.15	0.26	0.25	8.0	7.3	20
JK60-010	60	40	0.10	0.3	0.38	0.5	5.0	2.5	7.5
JK60-017	60	40	0.17	0.34	0.48	0.85	5.0	2	5.21
JK60-020	60	40	0.2	0.4	0.41	1.0	5.0	1.5	2.84
JK60-025	60	40	0.25	0.5	0.45	1.25	5.0	1.0	1.95
JK60-030	60	40	0.30	0.6	0.49	1.5	5.0	0.76	1.38
JK60-040	60	40	0.40	0.8	0.56	2.0	5.0	0.45	0.88
JK60-050	60	40	0.50	1.0	0.77	2.5	5.0	0.40	0.79
JK60-065	60	40	0.65	1.3	0.88	3.25	5.0	0.31	0.50
JK60-075	60	40	0.75	1.5	0.92	3.75	5.0	0.25	0.42
JK60-090	60	40	0.90	1.8	0.99	4.5	5.0	0.20	0.33
JK60-110	60	40	1.10	2.2	1.5	5.5	8.0	0.15	0.27
JK60-135	60	40	1.35	2.7	1.7	6.75	8.0	0.12	0.21
JK60-160	60	40	1.60	3.2	1.9	8.0	8.0	0.09	0.16
JK60-185	60	40	1.85	3.7	2.1	9.25	8.0	0.08	0.14
JK60-200	60	40	2.00	4.0	2.3	10.0	8.0	0.07	0.14
JK60-250	60	40	2.50	5.0	2.5	12.5	8.0	0.05	0.10
JK60-300	60	40	3.00	6.0	2.8	15.0	8.0	0.04	0.08
JK60-375	60	40	3.75	7.5	3.2	18.75	24.0	0.03	0.06
JK60-500	60	40	5.00	10	3.5	25.0	24.0	0.02	0.06

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)									
	-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

Polymer PTC Resettable Fuse JK72 Series



Features :

- RoHS Compliant & Halogen Free
- Radial-leaded Devices
- Cured，flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Operation Current: 0.05A~3.75A ，Maximum Voltage: 72Vdc，Operating
- Temperature：-40℃ TO 85℃
- Agency recognition:

RoHS Compliant

Product Dimensions

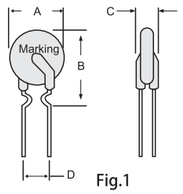


Fig.1

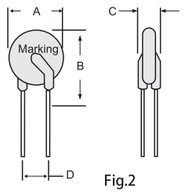


Fig.2

Unit ：mm

Part Number	Dimensions （mm）				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JK72-005	5.0	8.5	3.0	5.1	24AWG/Φ0.5	1
JK72-010	5.5	9.5	3.0	5.1	24AWG/Φ0.5	1
JK72-017	7.4	12.7	3.0	5.1	24AWG/Φ0.5	1
JK72-020	7.4	12.7	3.0	5.1	24AWG/Φ0.5	1
JK72-025	7.4	12.7	3.0	5.1	24AWG/Φ0.5	1
JK72-030	7.4	13.0	3.0	5.1	24AWG/Φ0.5	1
JK72-040	7.8	16.2	3.0	5.1	24AWG/Φ0.5	1
JK72-050	7.8	16.2	3.0	5.1	24AWG/Φ0.5	1
JK72-065	9.7	17.8	3.0	5.1	22AWG/Φ0.6	1
JK72-075	10.4	18.4	3.0	5.1	22AWG/Φ0.6	1
JK72-090	11.7	18.4	3.0	5.1	22AWG/Φ0.6	1
JK72-110	13.0	18.0	3.0	5.1	20AWG/Φ0.8	2
JK72-135	14.5	19.6	3.0	5.1	20AWG/Φ0.8	2
JK72-160	16.3	21.3	3.0	5.1	20AWG/Φ0.8	2
JK72-185	17.8	22.9	3.0	5.1	20AWG/Φ0.8	2
JK72-200	17.8	22.9	3.0	5.1	20AWG/Φ0.8	2
JK72-250	21.3	26.4	3.0	10.2	20AWG/Φ0.8	2
JK72-300	21.3	26.4	3.0	10.2	20AWG/Φ0.8	2
JK72-375	28.5	33.5	3.0	10.2	20AWG/Φ0.8	2

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
						Current	Time	R_{Min}	R_{Max}
	(V)	(A)	(A)	(A)	(W)	(A)	(Sec)	(Ω)	(Ω)
JK72-005	72	40	0.05	0.15	0.26	0.25	8.0	7.3	20
JK72-010	72	40	0.10	0.3	0.38	0.5	5.0	2.5	7.5

JK72-017	72	40	0.17	0.34	0.48	0.85	5.0	2	5.21
JK72-020	72	40	0.2	0.4	0.41	1.0	5.0	1.5	2.84
JK72-025	72	40	0.25	0.5	0.45	1.25	5.0	1.0	1.95
JK72-030	72	40	0.30	0.6	0.49	1.5	5.0	0.76	1.38
JK72-040	72	40	0.40	0.8	0.56	2.0	5.0	0.45	0.88
JK72-050	72	40	0.50	1.0	0.77	2.5	5.0	0.40	0.79
JK72-065	72	40	0.65	1.3	0.88	3.25	5.0	0.31	0.50
JK72-075	72	40	0.75	1.5	0.92	3.75	5.0	0.25	0.42
JK72-090	72	40	0.90	1.8	0.99	4.5	5.0	0.20	0.33
JK72-110	72	40	1.10	2.2	1.5	5.5	8.0	0.15	0.27
JK72-135	72	40	1.35	2.7	1.7	6.75	8.0	0.12	0.21
JK72-160	72	40	1.60	3.2	1.9	8.0	8.0	0.09	0.16
JK72-185	72	40	1.85	3.7	2.1	9.25	8.0	0.08	0.14
JK72-200	72	40	2.00	4.0	2.3	10.0	8.0	0.07	0.14
JK72-250	72	40	2.50	5.0	2.5	12.5	8.0	0.05	0.10
JK72-300	72	40	3.00	6.0	2.8	15.0	8.0	0.04	0.08
JK72-375	72	40	3.75	7.5	3.2	18.75	24.0	0.03	0.06

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)									
	-40	-20	0	25	40	50	60	70	80	85
JK72-005	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02
JK72-010	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.04
JK72-017	0.25	0.23	0.20	0.17	0.15	0.13	0.12	0.10	0.09	0.06
JK72-020	0.30	0.27	0.24	0.20	0.18	0.16	0.14	0.12	0.10	0.08
JK72-025	0.37	0.34	0.30	0.25	0.22	0.20	0.18	0.15	0.13	0.10
JK72-030	0.45	0.40	0.35	0.30	0.27	0.24	0.21	0.19	0.16	0.12
JK72-040	0.60	0.54	0.47	0.40	0.36	0.32	0.28	0.25	0.21	0.16
JK72-050	0.75	0.68	0.59	0.50	0.45	0.40	0.36	0.31	0.27	0.20
JK72-065	0.97	0.88	0.77	0.65	0.58	0.52	0.46	0.41	0.35	0.26
JK72-075	1.12	1.02	0.89	0.75	0.67	0.60	0.54	0.47	0.40	0.30
JK72-090	1.35	1.22	1.07	0.90	0.81	0.73	0.64	0.56	0.48	0.36
JK72-110	1.65	1.49	1.31	1.10	0.99	0.89	0.79	0.69	0.59	0.44
JK72-135	2.02	1.83	1.60	1.35	1.21	1.09	0.97	0.85	0.72	0.54
JK72-160	2.40	2.17	1.90	1.60	1.44	1.29	1.15	1.00	0.86	0.64
JK72-185	2.77	2.51	2.20	1.85	1.66	1.49	1.33	1.16	1.00	0.74
JK72-200	3.00	2.72	2.38	2.00	1.80	1.62	1.44	1.26	1.08	0.80
JK72-250	3.75	3.40	2.97	2.50	2.25	2.02	1.80	1.57	1.35	1.00
JK72-300	4.50	4.08	3.57	3.00	2.70	2.43	2.16	1.89	1.62	1.20
JK72-375	5.62	5.1	4.46	3.75	3.37	3.03	2.70	2.36	2.02	1.50

Polymer PTC Resettable Fuse JK130 Series

Features :

- Radial leaded Devices
- Cured,flame retardant epoxy polymer insulating material meets UL94V-0
- RoHS compliant and lead-free
- Agency recognition:

RoHS Compliant

Product Dimensions

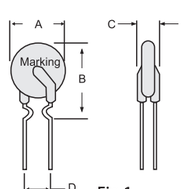


Fig.1

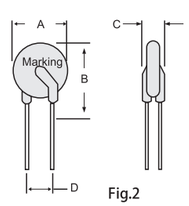


Fig.2

Unit ：mm

Part Number	Dimensions （mm）				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JK130-010	7.4	12.7	3.8	5.1	22AWG/Φ0.6	1
JK130-015	7.4	13.0	3.8	5.1	22AWG/Φ0.6	1
JK130-017	7.4	13.5	3.8	5.1	22AWG/Φ0.6	1
JK130-020	7.6	13.5	3.8	5.1	22AWG/Φ0.6	1
JK130-025	7.6	13.5	3.8	5.1	22AWG/Φ0.6	1
JK130-030	8.0	14.0	3.8	5.1	22AWG/Φ0.6	1
JK130-040	9.4	15.0	3.8	5.1	22AWG/Φ0.6	1
JK130-050	10.2	15.2	3.8	5.1	22AWG/Φ0.6	1
JK130-065	12.8	18.0	3.8	5.1	22AWG/Φ0.6	1
JK130-075	12.8	18.0	3.8	5.1	22AWG/Φ0.6	1
JK130-090	14.5	19.6	3.8	5.1	20AWG/Φ0.8	2
JK130-110	16.3	21.3	3.8	5.1	20AWG/Φ0.8	2
JK130-135	17.0	22.0	3.8	5.1	20AWG/Φ0.8	2
JK130-160	20	25	3.8	5.1	20AWG/Φ0.8	2
JK130-185	22	23	3.8	5.1	20AWG/Φ0.8	2
JK130-200	25	27	3.8	10.2	20AWG/Φ0.8	2
JK130-250	27	32	3.8	10.2	20AWG/Φ0.8	2

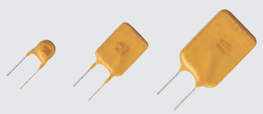
Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (Ω)	R_{Max} (Ω)
JK130-010	130	3	0.10	0.20	0.8	0.5	6	2.5	9.0
JK130-015	130	3	0.15	0.30	0.8	0.75	5.5	2.5	7.5
JK130-017	130	3	0.17	0.34	0.8	0.85	5.2	1.5	7.0
JK130-020	130	3	0.20	0.40	0.8	1.0	5.0	1.9	4.0
JK130-025	130	3	0.25	0.50	1.0	1.25	4.8	1.45	3.50
JK130-030	130	3	0.30	0.60	1.0	1.5	4.5	1.0	3.0
JK130-040	130	3	0.40	0.80	1.0	2.0	4.5	0.75	2.0
JK130-050	130	3	0.50	1.0	1.0	2.5	5.0	0.50	1.60
JK130-065	130	10	0.65	1.3	1.0	3.25	5.2	0.45	1.0
JK130-075	130	10	0.75	1.5	1.0	3.75	5.5	0.40	0.90
JK130-090	130	10	0.90	1.8	1.5	4.5	5.8	0.30	0.70
JK130-110	130	10	1.10	2.2	1.8	5.5	6.3	0.20	0.65
JK130-135	130	10	1.35	2.7	1.8	6.75	7.5	0.15	0.60
JK130-160	130	10	1.60	3.2	2.0	8.0	8	0.10	0.50
JK130-185	130	10	1.85	3.7	2.0	9.25	9	0.10	0.40
JK130-200	130	10	2.00	4.0	2.2	10.0	10	0.10	0.30
JK130-250	130	10	2.50	5.0	2.5	12.5	12	0.05	0.25

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK130-010	0.15	0.13	0.12	0.10	0.085	0.076	0.067	0.060	0.047
JK130-015	0.22	0.20	0.18	0.15	0.13	0.11	0.10	0.09	0.07
JK130-017	0.25	0.22	0.20	0.17	0.14	0.13	0.11	0.10	0.08
JK130-020	0.29	0.26	0.24	0.20	0.17	0.15	0.13	0.12	0.09
JK130-025	0.37	0.33	0.30	0.25	0.21	0.19	0.17	0.15	0.12
JK130-030	0.44	0.40	0.35	0.30	0.26	0.23	0.20	0.18	0.14
JK130-040	0.59	0.53	0.47	0.40	0.34	0.30	0.27	0.24	0.19
JK130-050	0.74	0.66	0.59	0.50	0.43	0.38	0.34	0.30	0.24
JK130-065	0.96	0.86	0.77	0.65	0.55	0.49	0.44	0.39	0.31
JK130-075	1.10	0.99	0.89	0.75	0.64	0.57	0.50	0.45	0.35
JK130-090	1.32	1.19	1.06	0.90	0.77	0.68	0.60	0.54	0.42
JK130-110	1.62	1.45	1.30	1.10	0.94	0.84	0.74	0.66	0.52
JK130-135	1.98	1.78	1.59	1.35	1.15	1.03	0.90	0.81	0.63
JK130-160	2.35	2.11	1.89	1.60	1.36	1.22	1.07	0.96	0.75
JK130-185	2.72	2.44	2.18	1.85	1.57	1.41	1.24	1.11	0.87
JK130-200	2.94	2.64	2.36	2.00	1.70	1.52	1.34	1.20	0.94
JK130-250	3.68	3.30	2.95	2.50	2.13	1.90	1.68	1.50	1.18

Polymer PTC Resettable Fuse JK250 Series



Features :

- Radial leaded Devices
- Cured,flame retardant epoxy polymer insulating material meets UL94V-0
- Bulk packaging,or tape and reel available on most models
- ROHS compliant and lead-free
- Agency recognition:

No.E217453

Product Dimensions

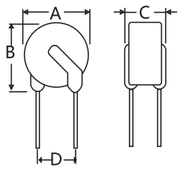


Fig.1

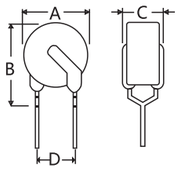


Fig.2

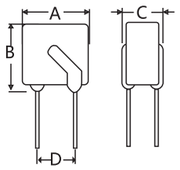


Fig.3

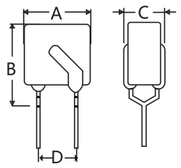


Fig.4

Unit ：mm

Part Number	Dimensions (mm)				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JK250-020U	7.4	12.7	4.5	5.1	22AWG/Φ0.6	1
JK250-030U	7.4	12.7	4.5	5.1	22AWG/Φ0.6	1
JK250-040U	7.4	12.7	4.5	5.1	22AWG/Φ0.6	1/2
JK250-050U	7.4	12.7	4.5	5.1	22AWG/Φ0.6	1/2
JK250-060U	7.4	12.7	4.5	5.1	22AWG/Φ0.6	1/2
JK250-080U	7.4	12.7	4.5	5.1	22AWG/Φ0.6	2
JK250-090U	7.4	12.7	4.5	5.1	22AWG/Φ0.6	2
JK250-100U	7.8	12.6	4.5	5.1	22AWG/Φ0.6	1
JK250-110U	7.0	12.6	4.5	5.1	22AWG/Φ0.6	4
JK250-120U	7.0	12.6	4.5	5.1	22AWG/Φ0.6	4
JK250-145U	7.0	12.6	4.5	5.1	22AWG/Φ0.6	4
JK250-180T	10.2	14.5	3.8	5.1	22AWG/Φ0.6	2
JK250-180U	9.0	11.0	4.5	5.1	22AWG/Φ0.6	4
JK250-200U	12.0	17.0	4.5	5.1	22AWG/Φ0.6	3
JK250-400U	12.0	17.0	4.5	5.1	22AWG/Φ0.6	3
JK250-600U	16.0	18.0	4.5	5.1	22AWG/Φ0.6	3
JK250-800U	20.0	22.5	4.5	5.1	20AWG/Φ0.8	3
JK250-1000U	20	22.5	4.5	5.1	20AWG/Φ0.8	3
JK250-1200U	22	28	4.5	5.1	20AWG/Φ0.8	3
JK250-1500U	25	30	4.5	5.1	20AWG/Φ0.8	3
JK250-2000U	26	32	4.5	10.2	20AWG/Φ0.8	3

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (Ω)	R_{Max} (Ω)
JK250-020U	250	3	20	45	1.0	0.5	0.5	80	160
JK250-030U	250	3	30	65	1.0	0.5	0.5	60	120
JK250-040U	250	3	40	80	1.0	0.5	1.5	30	60
JK250-050U	250	3	50	100	1.0	0.5	2	25	50
JK250-060U	250	3	60	120	1.0	0.5	2	20	60
JK250-080U	250	3	80	160	1.0	1	0.5	12	22
JK250-090U	250	3	90	180	1.0	1	0.8	10	20
JK250-100U	250	3	100	200	1.0	1	1	10	20
JK250-110U	250	3	110	220	1.0	1	2.0	6	12
JK250-120U	250	3	120	240	1.0	1	2.0	6	11
JK250-145U	250	3	145	290	1.0	1	5.0	3.5	6.5
JK250-180T	250	3	180	650	1.8	3	3.0	1.0	2.2
JK250-180U	250	3	180	650	1.8	3	1.5	2.0	4.0
JK250-200U	250	5	200	400	2.4	3	5	3	6
JK250-400U	250	5	400	800	2.8	3	8	1	3
JK250-600U	250	5	600	1200	3.2	3	12	0.6	2.0
JK250-800U	250	5	800	1600	3.6	4	18	0.4	1.0
JK250-1000U	250	7	1000	2000	3.6	5	20	0.3	0.8
JK250-1200U	250	7	1200	2400	3.6	6	20	0.2	0.8
JK250-1500U	250	7	1500	3000	4.8	7.5	20	0.2	0.6
JK250-2000U	250	10	2000	4000	4.8	10	20	0.2	0.4

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
JK250-020U	0.030	0.026	0.023	0.020	0.017	0.015	0.014	0.012	0.009
JK250-030U	0.044	0.040	0.035	0.030	0.026	0.023	0.020	0.018	0.014
JK250-040U	0.059	0.053	0.047	0.040	0.034	0.031	0.027	0.024	0.018
JK250-050U	0.074	0.066	0.059	0.050	0.043	0.039	0.034	0.031	0.023
JK250-060U	0.089	0.079	0.070	0.060	0.051	0.046	0.041	0.037	0.027
JK250-080U	0.118	0.106	0.094	0.080	0.068	0.062	0.054	0.049	0.036
JK250-090U	0.133	0.119	0.105	0.090	0.077	0.069	0.061	0.055	0.041
JK250-100U	0.148	0.132	0.117	0.100	0.085	0.077	0.068	0.061	0.045
JK250-110U	0.163	0.145	0.129	0.110	0.094	0.085	0.075	0.067	0.050
JK250-120U	0.178	0.158	0.140	0120	0.102	0.092	0.082	0.073	0.054
JK250-145U	0.215	0.191	0.170	0.145	0.123	0.112	0.099	0.088	0.065
JK250-180T	0.266	0.238	0.211	0.180	0.153	0.139	0.122	0.110	0.081
JK250-180U	0.266	0.238	0.211	0.180	0.153	0.139	0.122	0.110	0.081
JK250-200U	0.296	0.264	0.234	0.200	0.170	0.154	0.136	0.122	0.090

JK250-400U	0.592	0.528	0.468	0.400	0.340	0.308	0.272	0.244	0.180
JK250-600U	0.888	0.792	0.702	0.600	0.510	0.462	0.408	0.366	0.270
JK250-800U	1.184	1.056	0.936	0.800	0.680	0.616	0.544	0.488	0.360
JK250-1000U	1.480	1.320	1.170	1.000	0.850	0.770	0.680	0.610	0.450
JK250-1200U	1.776	1.584	1.404	1.200	1.020	0.924	0.816	0.732	0.540
JK250-1500U	2.220	1.980	1.755	1.500	1.275	1.155	1.020	0.915	0.675
JK250-2000U	2.960	2.640	2.340	2.000	1.700	1.540	1.360	1.220	0.900

Polymer PTC Resettable Fuse JK600 Series

Features :

- Radial leaded Devices
- Cured,flame retardant epoxy polymer insulating material meets UL94V-0
- Bulk packaging,or tape and reel available on most models
- ROHS compliant and lead-free
- Agency recognition:

RoHS Compliant

Product Dimensions

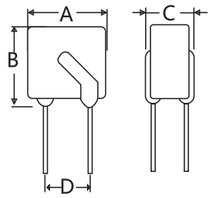


Fig1

Unit ：mm

Part Number	Dimensions （mm）				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JK600-110U	15	15	5.5	5.1	22AWG/Φ0.6	1
JK600-150U	15	15	5.5	5.1	22AWG/Φ0.6	1
JK600-160U	15	15	5.5	5.1	22AWG/Φ0.6	1

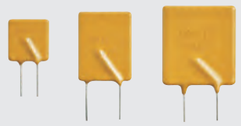
Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (Ω)	R_{Max} (Ω)
JK600-110U	600	3	0.11	0.22	1.0	1.0	8	6	16
JK600-150U	600	3	0.15	0.30	1.0	1.0	9	5	14
JK600-160U	600	3	0.16	0.32	1.0	1.0	10	4	12

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)								
	-40	-20	0	25	40	50	60	70	85
Jk600 -110U	0.162	0.152	0.131	0.11	0.913	0.0803	0.162	0.0704	0.0462
JK600-150U	0.221	0.207	0.178	0.15	0.125	0.110	0.221	0.096	0.063
JK600-160U	0.235	0.221	0.190	0.16	0.133	0.117	0.235	0.102	0.06725

Polymer PTC Resettable Fuse JKH Series



Features :

- RoHS Compliant & Halogen Free Radial-leaded Devices
- Cured，flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Operation Current: 0.5A~14A ，Maximum Voltage: 16Vdc～30Vdc，Operating
- Temperature：-40℃ TO 125℃
- Agency recognition:

Product Dimensions

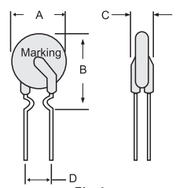


Fig.1

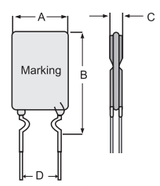


Fig.2

Unit ：mm

Part Number	Dimensions （mm）				Lead material	Shape
	A(max)	B(max)	C(max)	D(typ)	Tinned metal(mm)	Fig
JKH30-050	7.8	16.2	3.0	5.1	24AWG/Φ0.5	1
JKH30-100	10.4	18.4	3.0	5.1	24AWG/Φ0.5	1
JKH16-200	9.4	15.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-300	9.4	15.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-400	11.2	15.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-500	11.2	15.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-600	14.0	22.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-700	14.0	22.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-800	17.2	27.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-900	17.2	27.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-1000	22.5	26.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-1100	22.5	26.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-1300	24.0	29.0	3.0	5.1	20AWG/Φ0.8	2
JKH16-1400	24.0	29.0	3.0	5.1	20AWG/Φ0.8	2

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance	
	(V)	(A)	(A)	(A)	(W)	Current (A)	Time (Sec)	R_{Min} (mΩ)	R_{Max} (mΩ)
JKH30-050	30	100	0.5	1.0	0.9	1.5	5	480	1100
JKH30-100	30	100	1	2.0	1.4	3	5	180	800
JKH16-200	16	100	2	4.0	2.2	6	5	45	110
JKH16-300	16	100	3	6	3.0	9	5	33	79
JKH16-400	16	100	4	8	3.3	12	8	20	60
JKH16-500	16	100	5	10	3.6	15	8	15	43
JKH16-600	16	100	6	12	4.1	18	8	13	32
JKH16-700	16	100	7	14	4.3	21	15	10	25
JKH16-800	16	100	8	16	4.5	24	15	9	22
JKH16-900	16	100	9	18	5.0	27	15	8	20
JKH16-1000	16	100	10	20	5.3	30	24	7	17
JKH16-1100	16	100	11	22	5.5	33	24	6	15
JKH16-1300	16	100	13	10	6.4	39	24	4	10
JKH16-1400	16	100	14	28	6.9	42	24	3	9

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)									
	-40	-20	0	25	40	50	60	70	85	125
JKH30-050	0.74	0.66	0.60	0.50	0.44	0.40	0.36	0.31	0.24	0.18
JKH30-100	1.47	1.32	1.20	1.00	0.88	0.80	0.71	0.61	0.47	0.35
JKH16-200	2.94	2.64	2.40	2.00	1.76	1.60	1.42	1.22	0.94	0.70
JKH16-300	4.41	3.96	3.60	3.00	2.64	2.40	2.13	1.83	1.41	1.05
JKH16-400	5.88	5.28	4.80	4.00	3.52	3.20	2.84	2.44	1.88	1.40
JKH16-500	7.35	6.60	6.00	5.00	4.40	4.00	3.55	3.05	2.35	1.75
JKH16-600	8.82	7.92	7.20	6.00	5.28	4.80	4.26	3.66	2.82	2.10
JKH16-700	10.29	9.24	8.40	7.00	6.16	5.60	4.97	4.27	3.29	2.45
JKH16-800	11.76	10.56	9.60	8.00	7.04	6.40	5.68	4.88	3.76	2.80
JKH16-900	13.23	11.88	10.80	9.00	7.92	7.20	6.39	5.49	4.23	3.15
JKH16-1000	14.70	13.20	12.00	10.00	8.80	8.00	7.10	6.10	4.70	3.50
JKH16-1100	16.17	14.52	13.20	11.00	9.68	8.80	7.81	6.71	5.17	3.85
JKH16-1300	19.11	17.16	15.60	13.00	11.44	10.40	9.23	7.93	6.11	4.55
JKH16-1400	20.58	18.48	16.80	14.00	12.32	11.20	9.94	8.54	6.58	4.90

条状式

STRAP

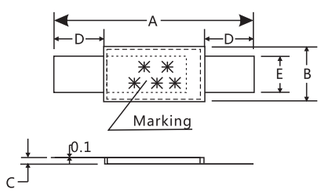
Polymer PTC Resettable Fuse JK-M Series

Features :

- Lower power consumption by lower resistance
- The miniaturized PTC elements leads a flexible design around battery
- Typical used for protection of Li-ion /Polymer Li-ion battery
- Lead-free
- Halogen free
- Agency recognition:

No.E217453

Product Dimensions



Unit ：mm

Part Number	A		B		C		D		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
JK-M120	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M140	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M175	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M190	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M210	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M260	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M270	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M300	13	15	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M350	14.5	17	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M370	14.5	17	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M400	14.5	17	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M430	14.5	17	3.0	3.6	0.6	1.0	3.5	5.5	2.2	2.4
JK-M450	21.5	23.3	3.50	3.90	0.55	1.0	4.5	6.5	2.2	2.4
JK-M500	21.5	23.3	3.50	3.90	0.55	1.0	4.5	6.5	2.2	2.4
JK-M550	21.5	23.3	3.50	3.90	0.55	1.0	4.5	6.5	2.2	2.4
JK-M600	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M650	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M700	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M730	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M800	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M850	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M900	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M950	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2
JK-M1000	20.9	23.1	4.6	5.5	0.60	1.00	4.0	6.0	3.8	4.2

Electrical Characteristics

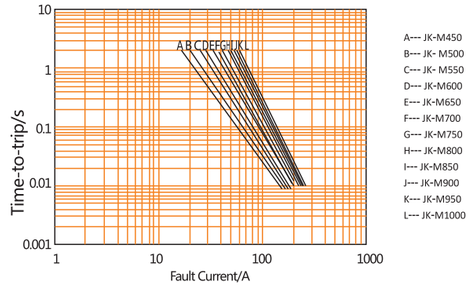
Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance		
						Current	Time	R_{Min}	Ri_{Max}	$R1_{Max}$
	(V)	(A)	(A)	(A)	(W)	(A)	(Sec)	(Ω)	(Ω)	(Ω)
JK-M120	10	50	1.20	3.50	1.00	6.0	5.0	0.015	0.035	0.070
JK-M140	10	50	1.40	3.60	1.00	7.0	5.0	0.010	0.020	0.040
JK-M175	10	50	1.75	4.30	1.00	8.75	5.0	0.009	0.018	0.036
JK-M190	10	50	1.90	4.90	1.00	9.50	3.0	0.007	0.014	0.028
JK-M210	10	50	2.10	5.60	1.00	10.50	3.0	0.007	0.014	0.028
JK-M260	10	50	2.60	6.00	1.00	13.00	3.0	0.006	0.014	0.028
JK-M270	10	50	2.70	6.20	1.00	13.50	3.0	0.006	0.014	0.028
JK-M300	10	50	3.00	8.00	1.30	15.00	3.0	0.005	0.013	0.026
JK-M350	10	50	3.50	8.80	1.30	17.50	3.0	0.005	0.013	0.026
JK-M370	10	50	3.70	9.00	1.30	18.50	5.0	0.005	0.013	0.026
JK-M400	10	50	4.00	9.60	1.50	20.00	5.0	0.004	0.012	0.024
JK-M430	10	50	4.30	10.00	1.50	21.50	5.0	0.004	0.012	0.024
JK-M450	10	50	4.50	10.80	1.50	22.50	5.0	0.004	0.012	0.024
JK-M500	10	50	5.00	12.00	1.50	25.00	5.0	0.003	0.011	0.022
JK-M550	10	50	5.50	13.00	1.50	27.50	5.0	0.003	0.011	0.022
JK-M600	10	50	6.00	13.00	1.50	30.00	5.0	0.003	0.009	0.018
JK-M650	10	50	6.50	13.00	1.50	32.50	5.0	0.002	0.008	0.016
JK-M700	10	50	7.00	14.00	1.50	35.00	5.0	0.002	0.007	0.015
JK-M730	10	50	7.30	15.00	1.50	36.50	5.0	0.002	0.007	0.014
JK-M800	10	50	8.00	17.00	1.50	40.00	5.0	0.002	0.005	0.010
JK-M850	10	50	8.50	17.50	1.50	42.00	5.0	0.002	0.005	0.010
JK-M900	10	50	9.00	18.00	1.50	45.00	5.0	0.002	0.005	0.010
JK-M950	10	50	9.50	19.00	1.50	47.50	5.0	0.002	0.004	0.010
JK-M1000	10	50	10.00	20.00	1.50	50.00	5.0	0.001	0.004	0.010

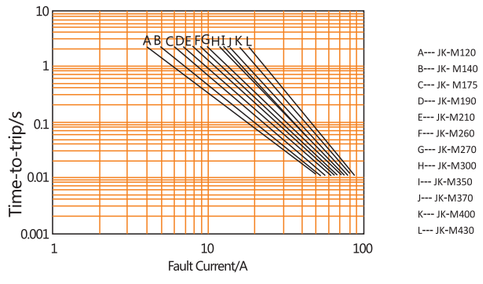
Thermal Derating Chart-I_H（A）

Part Number	Maximum ambient operating temperatures (℃)							
	-40	-20	0	25	40	50	60	70
JK-M120	2.00	1.80	1.55	1.20	1.00	0.85	0.70	0.55
JK-M140	2.40	2.10	1.80	1.40	1.14	0.97	0.80	0.63
JK-M175	3.10	2.65	2.25	1.75	1.40	1.25	1.05	0.85
JK-M190	3.60	3.10	2.60	1.90	1.60	1.30	1.20	1.00
JK-M210	3.60	3.20	2.80	2.10	1.84	1.40	1.34	1.10
JK-M260	4.50	3.95	3.35	2.60	2.15	1.85	1.70	1.15
JK-M270	4.60	4.00	3.40	2.70	2.20	1.90	1.60	1.30
JK-M300	5.20	4.50	3.85	3.00	2.45	2.10	1.75	1.40
JK-M350	5.90	5.20	4.50	3.50	2.80	2.40	2.00	1.60
JK-M370	6.10	5.40	4.70	3.70	3.00	2.50	2.10	1.70

JK-M400	6.20	5.50	4.80	4.00	3.30	2.80	2.50	2.00
JK-M430	6.30	5.60	4.90	4.30	3.50	3.00	2.70	2.20
JK-M450	6.40	5.70	5.05	4.50	4.05	3.70	3.40	3.05
JK-M500	6.95	6.20	5.60	5.00	4.50	4.10	3.80	3.40
JK-M550	7.60	6.80	6.15	5.50	4.95	4.50	4.25	3.85
JK-M600	8.25	7.40	6.65	6.00	5.40	5.00	4.70	4.30
JK-M650	8.90	8.05	7.20	6.50	5.80	5.45	5.10	4.70
JK-M700	9.60	8.70	7.70	7.00	6.20	5.80	5.40	5.05
JK-M730	9.85	9.00	8.00	7.30	6.45	6.05	5.65	5.25
JK-M800	10.40	9.80	8.80	8.00	7.00	6.60	6.20	5.80
JK-M850	11.25	10.40	9.40	8.50	7.50	7.00	6.75	6.10
JK-M900	12.10	11.00	9.95	9.00	7.95	7.40	6.90	6.40
JK-M950	12.60	11.50	10.0	9.50	8.40	7.90	7.25	6.75
JK-M1000	13.15	12.00	11.00	10.00	8.90	8.40	7.65	7.10

Typical Time-to-Trip Charts at 25℃





Physical Characteristics and Environmental Specifications

Physical Characteristics

Lead material	0.1mm nominal thickness,quarter-hard nickel
Tape material	Polyester

Environmental Specifications

Test	Conditions	Resistance Change
Passive Aging	-40℃,1000 hours	±5%
	60℃,1000 hours	±20%
Humidity Aging	60℃/95%RH.1000 hours	±30%
Thermal Shock	85℃/40℃,10 cycles	±5%
Vibration	MIL-STD-883D,Method 2026	No change

Polymer PTC Resettable Fuse JK–P Series

Features :

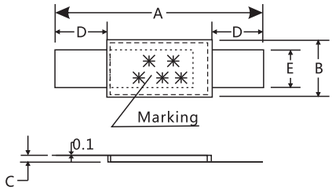
- Strap devices, Axial-leaded
- Protection for NiCd/NiMH rechargeable battery packs,Li-ion/Polymer Li-ion battery
- Lead-free
- Halogen free
- Agency recognition:

No.E217453

TÜVRheinland® Precisely Right.

RoHS Compliant

Product Dimensions



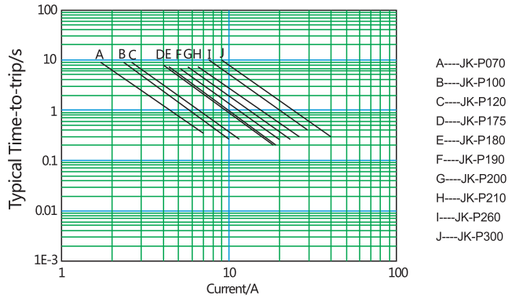
Unit ：mm

Part Number	A		B		C		D		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
JK-P070	17.0	22.1	4.9	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P100	17.0	22.1	4.9	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P120	17.0	22.1	4.9	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P175	20.9	23.1	4.6	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P180	20.9	23.1	4.6	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P190	20.9	23.1	4.6	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P200	20.9	23.1	4.6	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P210	20.9	23.1	4.6	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P260	20.9	23.1	4.6	5.5	0.4	1.0	3.5	6.0	3.8	4.2
JK-P300	24.0	27.5	6.9	7.5	0.4	1.0	4.0	7.5	4.8	5.2
JK-P350	24.0	27.5	6.9	7.5	0.4	1.0	4.0	7.5	4.8	5.2
JK-P380	24.0	27.5	6.9	7.5	0.4	1.0	4.0	7.5	4.8	5.2
JK-P420	24.0	27.5	9.8	10.5	0.4	1.0	4.0	7.5	4.8	5.2
JK-P450	24.0	27.5	9.8	10.5	0.4	1.0	4.0	7.5	4.8	5.2
JK-P550	24.0	27.5	9.8	10.5	0.4	1.0	4.0	7.5	4.8	5.2
JK-P600	27.1	29.1	13.9	14.5	0.4	1.0	4.1	5.5	5.9	6.6
JK-P730	27.1	29.1	13.9	14.5	0.4	1.0	4.1	5.5	5.9	6.6
JK-P900	45.4	47.6	7.9	8.5	0.4	1.0	4.6	6.2	5.9	6.1
JK-P1410	58.0	60.0	13.4	14.0	0.4	1.0	4.2	5.8	5.9	6.1

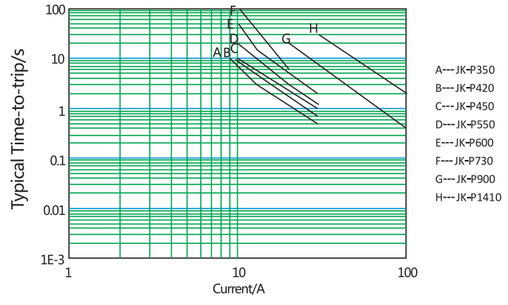
Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance		
						Current	Time	R_{Min}	Ri_{Max}	$R1_{Max}$
	(V)	(A)	(A)	(A)	(W)	(A)	(Sec)	(mΩ)	(mΩ)	(mΩ)
JK-P070	16	100	0.70	1.45	1.60	3.5	5.0	100	200	400
JK-P100	16	100	1.00	2.50	1.60	5.0	5.0	70	130	260
JK-P120	16	100	1.20	2.70	1.60	6.0	5.0	60	120	240
JK-P175	16	100	1.75	3.80	1.60	8.5	5.0	30	65	130
JK-P180	16	100	1.80	3.80	1.60	9.0	5.0	30	60	120
JK-P190	16	100	1.90	4.20	1.60	9.5	5.0	25	45	90
JK-P200	16	100	2.00	4.40	1.60	10.0	5.0	20	40	80
JK-P210	16	100	2.10	4.40	1.60	10.5	5.0	20	35	70
JK-P260	16	100	2.60	5.20	1.60	13.0	5.0	15	30	60
JK-P300	24	100	3.00	6.30	2.40	15.0	5.0	15	31	62
JK-P350	24	100	3.50	7.00	2.40	17.5	5.0	17	31	62
JK-P380	24	100	3.80	7.60	2.40	19.0	5.0	13	22	44
JK-P420	24	100	4.20	8.30	2.00	21.0	5.0	12	24	48
JK-P450	20	100	4.50	9.00	2.00	22.5	5.0	11	20	40
JK-P550	20	100	5.50	10.50	2.00	27.5	5.0	9	16	32
JK-P600	20	100	6.00	11.70	2.80	30.0	5.0	7	14	28
JK-P730	20	100	7.30	14.10	3.30	36.5	5.0	5	12	24
JK-P900	20	100	9.00	16.70	3.80	45.0	5.0	6	10	20
JK-P1410	20	100	14.10	26.20	6.00	70.5	5.0	3	5	10

Typical Time-to-Trip Charts at 25℃



A----JK-P070
B----JK-P100
C----JK-P120
D----JK-P175
E----JK-P180
F----JK-P190
G----JK-P200
H----JK-P210
I----JK-P260
J----JK-P300



A--- JK-P350
B--- JK-P420
C--- JK-P450
D--- JK-P550
E--- JK-P600
F--- JK-P730
G--- JK-P900
H--- JK-P1410

Thermal Derating Chart-I_H (A)

Part Number	Maximum ambient operating temperatures (℃)									
	-40	-20	0	25	40	50	60	70	80	85
JK-P070	1.1	1.0	0.8	0.7	0.5	0.4	0.3	0.2	0.2	0.1
JK-P100	1.8	1.6	1.4	1.0	0.8	0.7	0.6	0.4	0.3	0.2
JK-P120	1.9	1.7	1.5	1.2	1.0	0.9	0.8	0. 6	0.5	0.4
JK-P175	2.5	2.2	2.0	1.75	1.4	1.3	1.2	1.0	0.9	0.8
JK-P180	2.6	2.3	2.1	1.8	1.4	1.3	1.2	1.0	0.9	0.8

JK-P190	2.8	2.5	2.3	1.9	1.5	1.4	1.3	1.1	0.9	0.8
JK-P200	3.1	2.8	2.5	2.0	1. 7	1.5	1.4	1.2	1.0	0.9
JK-P210	3.3	3.0	2.7	2.1	1.8	1.6	1.5	1.3	1.1	1.0
JK-P260	3.8	3.4	3.1	2.6	2.2	2.0	1.9	1.7	1.4	1.3
JK-P300	5.1	4.4	3.7	3.0	2.3	1.9	1.6	1.2	0.9	0.7
JK-P350	5.3	4.8	4.3	3.5	3.0	2.7	2.5	2.1	1.8	1.7
JK-P380	5.4	4.9	4.4	3.8	3.3	3.0	2.8	2.5	2.3	2.1
JK-P420	6.3	5.7	5.1	4.2	3.6	3.3	3.0	2.6	2.2	2.1
JK-P450	6.5	5.8	5.3	4.5	3.9	3.6	3.3	2.9	2.6	2.4
JK-P550	7.6	6.9	6.2	5.5	4.7	4.3	4.0	3.6	3.2	3.0
JK-P600	8.7	7.8	7.1	6.0	5.2	4.7	4.4	3.9	3.4	3.2
JK-P730	10.5	9.5	8.6	7.3	6.3	5.7	5.4	4.7	4.2	4.0
JK-P900	12.7	11.4	10	9.0	7.5	6.8	6.2	5.5	4.9	4.5
JK-P1410	19.9	17.8	15.7	14.1	11.8	10.8	9.7	8.7	7.7	7.2

Physical Characteristics and Environmental Specifications

Physical Characteristics

Lead material	0.1mm nominal thickness,quarter-hard nickel
Tape material	Polyester

Environmental Specifications

Test	Conditions	Resistance Change
Passive aging	70℃,1000 hours	±10%
Humidity aging	85℃/85%RH.7 days	±5%
Vibration	MIL-STD-883C,Test Condition A	No change

Polymer PTC Resettable Fuse JK–D Series

Features :

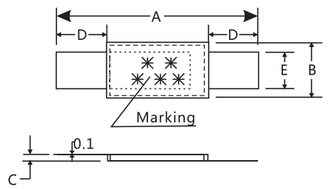
- Strap devices, Axial-leaded
- Protection for NiCd/NiMH rechargesble battery packs, Li-ion/Polymer
- Li-ion battery
- Lead-free
- Halogen free
- Agency recognition:

No.E217453

TÜVRheinland® Precisely Right.

RoHS Compliant

Product Dimensions



Unit ：mm

Part Number	A		B		C		D		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
JK-D170	15.4	17.5	6.9	7.4	0.50	1.00	5.0	6.2	3.8	4.2
JK-D175	21.9	24.5	3.0	3.6	0.50	1.00	4.5	5.5	2.3	3.2
JK-D200	21.9	24.5	3.0	3.6	0.50	1.00	4.5	5.5	2.3	3.2
JK-D210	21.9	24.5	3.0	3.6	0.50	1.00	4.5	5.5	2.3	3.2

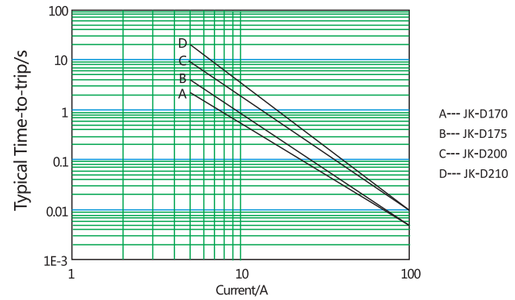
Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	P_D	Maximum Time-to-trip		Resistance		
						Current	Time	R_{Min}	Ri_{Max}	$R1_{Max}$
	(V)	(A)	(A)	(A)	(W)	(A)	(Sec)	(mΩ)	(mΩ)	(mΩ)
JK-D170	1.70	100	1.70	3.4	1.20	8.50	5.0	30	52	104
JK-D175	1.75	100	1.75	3.8	1.20	8.75	5.0	29	51	102
JK-D200	2.00	100	2.00	4.5	1.20	10.0	5.0	20	40	80
JK-D210	2.10	100	2.10	4.7	1.20	10.5	5.0	18	35	60

Thermal Derating Chart-I_H（A）

Part Number	Maximum ambient operating temperatures (℃)							
	-40	-20	0	25	40	50	60	70
JK-D170	3.5	2.9	2.4	1.7	1.2	1.0	0.7	0.3
JK-D175	3.5	2.9	2.4	1.75	1.3	1.0	0.7	0.3
JK-D200	4.2	3.5	2.8	2.0	1.5	1.2	0.80	0.3
JK-D210	4.5	3.8	3.0	2.1	1.6	1.3	0.9	0.4

Typical Time-to-Trip Charts at 25℃



Physical Characteristics and Environmental Specifications

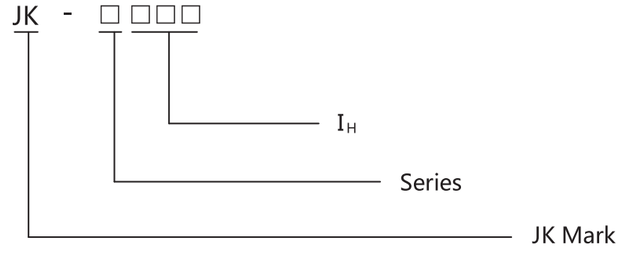
Physical Characteristics

Lead material	0.1mm nominal thickness,quarter-hard nickel
Tape material	Polyester

Environmental Specifications

Test	Conditions	Resistance Change
Passive Aging	-40℃,1000 hours	±5%
	60℃,1000 hours	±20%
Humidity Aging	60℃/95%RH.1000 hours	±30%
Thermal Shock	85℃/40℃,10 cycles	±5%
Vibration	MIL-STD-883D,Method 2026	No change

Marking System



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DISC

Polymer PTC Resettable Fuse JK-H Series

Features :

- Special designs to meet customs' appropriate applications
- Compatible with current industry standards
- Over-current and over-temperature protection
- Typical applied in Lithium cells, motors
- Agency recognition:

No.E217453

RoHS Compliant

Product Dimensions

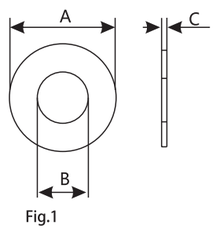

Fig.1

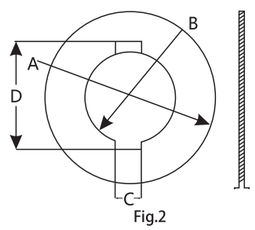

Fig.2

Unit ：mm

Part Number	A		B		C		E		Figure
	Min	Max	Min	Max	Min	Max	Min	Max	
JK-H1	16.25	16.35	9.95	10.05	0.25	0.35			Fig.1
JK-H1-2	16.46	16.51	9.95	10.05	0.25	0.35			Fig.1
JK-H1-3	16.35	16.45	9.95	10.05	0.25	0.35			Fig.1
JK-H1-4	16.50	16.60	9.95	10.05	0.25	0.35			Fig.1
JK-H2	16.45	16.55	9.95	10.05	0.25	0.35			Fig.1
JK-H3	14.35	14.45	6.25	6.35	0.25	0.35			Fig.1
JK-H3-2	14.15	14.25	6.45	6.55	0.25	0.35			Fig.1
JK-H3-3	14.65	14.75	9.45	9.55	0.25	0.35			Fig.1
JK-H4	12.10	12.20	7.25	7.35	0.25	0.35			Fig.1
JK-H5	15.35	15.45	10.55	10.65	0.25	0.35			Fig.1
JK-H6	16.48	16.58	10.05	10.15	0.25	0.35			Fig.1
JK-H7	16.30	16.40	9.95	10.05	0.25	0.35			Fig.1
JK-H8	19.40	19.60	9.90	10.10	2.9	3.1	0.45	0.65	Fig.2
JK-H9	31.45	31.55	13.15	13.25	0.25	0.35			Fig.1
JK-H10	24.05	24.15	12.05	12.15	0.25	0.35			Fig.1
JK-H11	18.45	18.55	10.65	10.75	0.25	0.35			Fig.1
JK-H12	18.60	18.70	10.75	10.85	0.25	0.35			Fig.1
JK-H13	20.00	20.20	11.95	12.05	0.25	0.35			Fig.1

Electrical Characteristics

Part Number	V_{Max}	I_{Max}	I_{Hold}	I_{Trip}	Maximum Time-to-trip		Resistance		
	(V)	(A)	(A)	(A)	Current (A)	Time (Sec)	R_{Min} (mΩ)	Ri_{Max} (mΩ)	$R1_{Max}$ (mΩ)
JK-H1	15	50	3.5	7.0	10	10	9	16	32
JK-H1-2	15	50	3.5	7.0	10	10	9	16	32
JK-H1-3	15	50	3.5	7.0	10	10	9	16	32
JK-H1-4	15	50	3.5	7.0	10	10	9	16	32
JK-H2	15	50	3.5	7.0	10	10	9	16	32
JK-H3	15	50	1.75	3.5	8.75	5	9	64	128
JK-H3-2	15	50	1.75	3.5	8.75	5	15	32	64
JK-H3-3	15	50	3.5	7.0	10	10	9	16	32
JK-H4	15	50	3.5	7.0	10	10	9	16	32
JK-H5	15	50	3.5	7.0	10	10	9	16	32
JK-H6	15	50	3.5	7.0	10	10	9	16	32
JK-H7	15	50	3.5	7.0	10	10	9	16	32
JK-H8	24	50	1.8	3.6	9	5	41	60	120
JK-H9	15	50	5.0	10.0	25	5	2.5	3.5	14
JK-H10	15	50	5.0	10.0	25	5	3	12	7
JK-H11	15	50	3.5	7.0	15	10	9	16	32
JK-H12	15	50	3.5	7.0	15	10	9	16	32
JK-H13	15	50	5.0	10.0	15	10	3	16	32

Physical Characteristics and Environmental Specifications

Physical Characteristics

Lead Material	0.025~0.035mm nominal thickness, pure nickel foil (or nickel-plated copper)

Environmental Specifications

Test	Conditions	Resistance Change
Passive Aging	-40℃,1000 hours	±5%
	60℃,1000 hours	±20%
Humidity Aging	60℃/95% RH,1000 hours	±30%
Thermal Shock	85℃/-40℃,10 cycles	±5%
Vibration	ML-STD-883C,Method 2026	No change