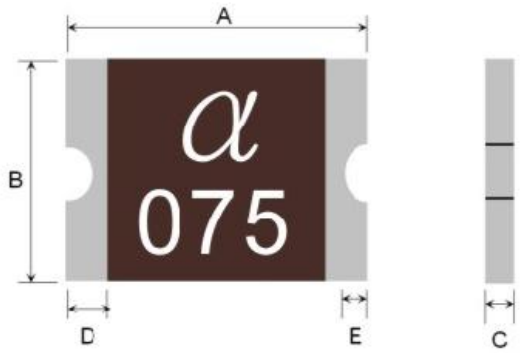
Low Resistance Resettable Fuse PTC SMD1812 Series

Features

RoHS Compliant & Halogen Free
faster tripping, 1812 Dimension, Surface mountable,
Solid stateOperation Current: 1.9A~9.0A
Maximum Voltage: 6V / 12Vdc
Operating Temperature：-40℃ to +85℃
Agency recognition:

Dimensions(4532mm/ 1812 mils) Unit: mm



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

Part number	Marking	A		B		C		D	E	Certification		Delivery Time	
		Min	max	Min	Max	Min	Max	Min	Min	UL	TUV	in stock	Produce
JK-mSMD190L	JK1	4.37	4.73	3.07	3.41	0.3	0.70	0.30	0.15	-	√	3days	18days
JK-mSMD190L-12	JK1	4.37	4.73	3.07	3.41	0.3	0.70	0.30	0.15	-	√	3days	18days
JK-mSMD260L	JK2	4.37	4.73	3.07	3.41	0.4	1.00	0.30	0.15	-	√	3days	18days
JK-mSMD260L-12	JK2	4.37	4.73	3.07	3.41	0.4	1.00	0.30	0.15	-	√	3days	18days
JK-mSMD300L	JK3	4.37	4.73	3.07	3.41	0.4	1.00	0.30	0.15	-	√	3days	18days
JK-mSMD300L-12	JK3	4.37	4.73	3.07	3.41	0.4	1.00	0.30	0.15	-	√	3days	18days
JK-mSMD350L	JK3	4.37	4.73	3.07	3.41	0.4	1.20	0.30	0.15	-	√	3days	18days
JK-mSMD350L-12	JK3	4.37	4.73	3.07	3.41	0.4	1.20	0.30	0.15	-	√	3days	18days
JK-mSMD400L	JK4	4.37	4.73	3.07	3.41	0.4	1.20	0.30	0.15	-	√	3days	18days
JK-mSMD400L-12	JK4	4.37	4.73	3.07	3.41	0.4	1.20	0.30	0.15	-	√	3days	18days
JK-mSMD450L	JK4	4.37	4.73	3.07	3.41	0.4	1.40	0.30	0.15	-	√	3days	18days
JK-mSMD450L-12	JK4	4.37	4.73	3.07	3.41	0.4	1.40	0.30	0.15	-	√	3days	18days

Dimensions(4532mm/ 1812 mils) Unit: mm

Part number	Marking	A		B		C		D	E	Certification		Delivery Time	
		Min	max	Min	Max	Min	Max	Min	Min	UL	TUV	in stock	Produce
JK-mSMD500L	JK5	4.37	4.73	3.07	3.41	0.5	1.40	0.30	0.15	-	√	3days	18days
JK-mSMD500L-12	JK5	4.37	4.73	3.07	3.41	0.5	1.40	0.30	0.15	-	√	3days	18days
JK-mSMD550L	JK5	4.37	4.73	3.07	3.41	0.5	1.40	0.30	0.15	-	√	3days	18days
JK-mSMD550L-12	JK5	4.37	4.73	3.07	3.41	0.5	1.40	0.30	0.15	-	√	3days	18days
JK-mSMD600L	JK6	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	√	3days	18days
JK-mSMD600L-12	JK6	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	√	3days	18days
JK-mSMD650L	JK6	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	√	3days	18days
JK-mSMD650L-12	JK6	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	√	3days	18days
JK-mSMD700L	JK7	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	√	3days	18days
JK-mSMD700L-12	JK7	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD750L	JK7	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD750L-12	JK7	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD800L	JK8	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD800L-12	JK8	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD850L	JK8	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD850L-12	JK8	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD900L	JK9	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days
JK-mSMD900L-12	JK9	4.37	4.73	3.07	3.41	0.6	1.60	0.30	0.15	-	-	3days	18days

Electrical characteristics(25℃)

Part Number	I Hold	I Trip	Vmax	Imax	Pd Max	Maximum Time to Trip		Resistance（Ω）		Certification		Delivery Time	
						Current（A）	Time（S）					in stock	Produce
	A	A	DC	A	W			Rimin	R1max	UL	TUV		
JK-mSMD190L	1.9	3.8	6V	50	1.5	8.0	5.0	0.003	0.025	-	√	3days	18days
JK-mSMD190L-12	1.9	3.8	12V	50	1.5	8.0	5.0	0.003	0.025	-	√	3days	18days
JK-mSMD260L	2.6	5.2	6V	50	1.5	8.0	5.0	0.003	0.024	-	√	3days	18days
JK-mSMD260L-12	2.6	5.2	12V	50	1.5	8.0	5.0	0.003	0.024	-	√	3days	18days
JK-mSMD300L	3.0	6.0	6V	50	1.5	15.0	2.0	0.003	0.022	-	√	3days	18days
JK-mSMD300L-12	3.0	6.0	12V	50	1.5	15.0	2.0	0.003	0.022	-	√	3days	18days
JK-mSMD350L	3.5	7.0	6V	50	1.5	17.5	2.0	0.003	0.020	-	√	3days	18days
JK-mSMD350L-12	3.5	7.0	12V	50	1.5	17.5	2.0	0.003	0.020	-	√	3days	18days

Electrical characteristics(25℃)

Part Number	I Hold	I Trip	Vmax	Imax	Pd Max	Maximum Time to Trip		Resistance（Ω）		Certification		Delivery Time	
	A	A	DC	A	W	Current（A）	Time（S）	Rimin	R1max	UL	TUV	in stock	Produce
JK-mSMD400L	4.0	8.0	6V	50	1.8	20.0	2.0	0.003	0.018	-	√	3days	18days
JK-mSMD400L-12	4.0	8.0	12V	50	1.8	20.0	2.0	0.003	0.018	-	√	3days	18days
JK-mSMD450L	4.5	9.0	6V	50	1.8	22.5	2.0	0.003	0.016	-	√	3days	18days
JK-mSMD450L-12	4.5	9.0	12V	50	1.8	22.5	2.0	0.003	0.016	-	√	3days	18days
JK-mSMD500L	5.0	10.0	6V	50	1.8	25.0	2.0	0.003	0.014	-	√	3days	18days
JK-mSMD500L-12	5.0	10.0	12V	50	1.8	25.0	2.0	0.003	0.014	-	√	3days	18days
JK-mSMD550L	5.5	11.0	6V	50	1.8	27.5	2.0	0.002	0.012	-	√	3days	18days
JK-mSMD550L-12	5.5	11.0	12V	50	1.8	27.5	2.0	0.002	0.012	-	√	3days	18days
JK-mSMD600L	6.0	12.0	6V	50	1.8	30.0	2.0	0.002	0.010	-	√	3days	18days
JK-mSMD600L-12	6.0	12.0	12V	50	1.8	30.0	2.0	0.002	0.010	-	√	3days	18days
JK-mSMD650L	6.5	13.0	6V	50	1.8	32.5	2.0	0.002	0.008	-	√	3days	18days
JK-mSMD650L-12	6.5	13.0	12V	50	1.8	32.5	2.0	0.002	0.008	-	√	3days	18days
JK-mSMD700L	7.0	14.0	6V	50	2.0	35.0	2.0	0.001	0.007	-	√	3days	18days
JK-mSMD700L-12	7.0	14.0	12V	50	2.0	35.0	2.0	0.001	0.007	-	-	3days	18days
JK-mSMD750L	7.5	15.0	6V	50	2.0	37.5	2.0	0.001	0.006	-	-	3days	18days
JK-mSMD750L-12	7.5	15.0	12V	50	2.0	37.5	2.0	0.001	0.006	-	-	3days	18days
JK-mSMD800L	8.0	16.0	6V	50	2.0	40.0	2.0	0.0008	0.005	-	-	3days	18days
JK-mSMD800L-12	8.0	16.0	12V	50	2.0	40.0	2.0	0.0008	0.005	-	-	3days	18days
JK-mSMD850L	8.5	17.0	6V	50	2.2	42.5	2.0	0.0008	0.004	-	-	3days	18days
JK-mSMD850L-12	8.5	17.0	12V	50	2.2	42.5	2.0	0.0008	0.004	-	-	3days	18days
JK-mSMD900L	9.0	18.0	6V	50	2.2	45.0	2.0	0.0005	0.003	-	-	3days	18days
JK-mSMD900L-12	9.0	18.0	12V	50	2.2	45.0	2.0	0.0005	0.003	-	-	3days	18days

I_{hold} = Hold Current. Maximum current device will not trip in 25°C still air.

I_{trip} = Trip Current. Minimum current at which the device will always trip in 25°C still air.

V_{max} = Maximum operating voltage device can withstand without damage at rated current (Imax).

I_{max} = Maximum fault current device can withstand without damage at rated voltage (Vmax).

$Ri_{min/max}$ = Minimum/Maximum device resistance prior to tripping at 25°C.

$R1_{max}$ = Maximum device resistance is measured one hour post reflow.

For your download speed,we just uploaded a simple SMD1812 datasheet
If you need our detailed SMD1812 datasheet,Pls email us for a request
Our email is : sales@huaandz.com or abc0734@126.com