

Resettable Fuse PTC SMD1812 Series

Features

RoHS Compliant

faster tripping, 1812 Dimension, Surface mountable, Solid state

Operation Current: 0.10A~3.50A

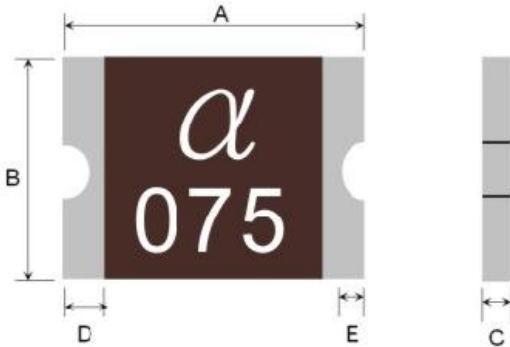
Maximum Voltage: 6V~60Vdc

Operating Temperature: -40°C to +85°C

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-mSMD010	JK010	4.37	4.73	3.07	3.41	0.5	1.0	0.3	0.15	√	√	3days	18days
JK-mSMD010-60	JK010	4.37	4.73	3.07	3.41	0.5	1.0	0.3	0.15	√	√	3days	18days
JK-mSMD014-33	JK014	4.37	4.73	3.07	3.41	0.5	1.0	0.3	0.15	√	√	3days	18days
JK-mSMD014	JK014	4.37	4.73	3.07	3.41	0.5	1.0	0.3	0.15	√	√	3days	18days
JK-mSMD020	JK020	4.37	4.73	3.07	3.41	0.5	1.1	0.3	0.15	√	√	3days	18days
JK-mSMD030	JK030	4.37	4.73	3.07	3.41	0.5	1.0	0.3	0.15	√	√	3days	18days
JK-mSMD050	JK050	4.37	4.73	3.07	3.41	0.4	0.9	0.3	0.15	√	√	3days	18days
JK-mSMD050-24	JK050	4.37	4.73	3.07	3.41	0.4	0.9	0.3	0.15	√	√	3days	18days
JK-mSMD050-30	JK050	4.37	4.73	3.07	3.41	0.4	1.0	0.3	0.15	√	√	3days	18days
JK-mSMD075	JK075	4.37	4.73	3.07	3.41	0.4	0.9	0.3	0.15	√	√	3days	18days
JK-mSMD075-24	JK075	4.37	4.73	3.07	3.41	0.5	1.2	0.3	0.15	√	√	3days	18days
JK-mSMD075-33	JK075	4.37	4.73	3.07	3.41	0.6	1.2	0.3	0.15	√	√	3days	18days
JK-mSMD110	JK110	4.37	4.73	3.07	3.41	0.4	0.9	0.3	0.15	√	√	3days	18days
JK-mSMD110-16	JK110	4.37	4.73	3.07	3.41	0.4	0.9	0.3	0.15	√	√	3days	18days

Specifications are subject to change without notice

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Tel: +86-755-27465585

HUAAN LIMITED

www.huaandz.com

Email: sales@huaandz.com

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-mSMD110-24	JK110	4.37	4.73	3.07	3.41	0.6	1.30	0.30	0.15	√	√	3days	18days
JK-mSMD110-33	JK110	4.37	4.73	3.07	3.41	0.7	1.70	0.30	0.15	√	√	3days	18days
JK-mSMD125	JK125	4.37	4.73	3.07	3.41	0.5	0.12	0.30	0.15	√	√	3days	18days
JK-mSMD125-8	JK125	4.37	4.73	3.07	3.41	0.3	0.90	0.30	0.15	-	√	3days	18days
JK-mSMD150	JK150	4.37	4.73	3.07	3.41	0.3	0.90	0.30	0.15	√	√	3days	18days
JK-mSMD150-16	JK150	4.37	4.73	3.07	3.41	0.5	1.20	0.30	0.15	√	√	3days	18days
JK-mSMD150-24	JK150	4.37	4.73	3.07	3.41	0.8	1.7	0.30	0.15	-	√	3days	18days
JK-mSMD160	JK160	4.37	4.73	3.07	3.41	0.3	0.80	0.30	0.15	√	√	3days	18days
JK-mSMD200	JK200	4.37	4.73	3.07	3.41	0.4	1.20	0.30	0.15	√	√	3days	18days
JK-mSMD200-12	JK200	4.37	4.73	3.07	3.41	0.4	1.20	0.30	0.15	-	√	3days	18days
JK-mSMD200-16	JK200	4.37	4.73	3.07	3.41	0.4	1.20	0.30	0.15	-	√	3days	18days
JK-mSMD260	JK260	4.37	4.73	3.07	3.41	0.5	1.50	0.30	0.15	√	√	3days	18days
JK-mSMD260-12	JK260	4.37	4.73	3.07	3.41	0.6	1.50	0.30	0.15	-	√	3days	18days
JK-mSMD260-16	JK260	4.37	4.73	3.07	3.41	0.8	1.70	0.30	0.15	-	√	3days	18days
JK-mSMD300	JK300	4.37	4.73	3.07	3.41	0.5	1.50	0.30	0.15	√	√	3days	18days
JK-mSMD350	JK350	4.37	4.73	3.07	3.41	0.5	1.50	0.30	0.15	-	√	3days	18days

Electrical characteristics(25°C)

Part Number	I Hold	I Trip	V _{max}	I _{max}	P _d Max	Maximum Time to Trip		Resistance (Ω)		Certification		Delivery Time	
	A	A	DC	A	w	Current (A)	Time (S)	R _{imin}	R _{1max}	UL	TUV	in stock	Produce
JK-mSMD010	0.10	0.30	30V	100	0.8	0.5	1.50	0.750	15.0	√	√	3days	18days
JK-mSMD010-60	0.10	0.30	60V	100	0.8	0.5	1.50	0.750	15.0	√	√	3days	18days
JK-mSMD014-33	0.14	0.34	33V	100	0.8	1.5	0.15	0.650	6.00	√	√	3days	18days
JK-mSMD014	0.14	0.34	60V	100	0.8	1.5	0.15	0.650	6.00	√	√	3days	18days
JK-mSMD020	0.20	0.40	30V	100	0.8	8.0	0.02	0.350	5.00	√	√	3days	18days
JK-mSMD030	0.30	0.60	30V	100	0.8	8.0	0.10	0.250	3.00	√	√	3days	18days
JK-mSMD050	0.50	1.00	15V	100	0.8	8.0	0.15	0.150	1.00	√	√	3days	18days
JK-mSMD050-24	0.50	1.00	24V	100	0.8	8.0	0.15	0.150	1.00	√	√	3days	18days
JK-mSMD050-30	0.50	1.00	30V	100	0.8	8.0	0.15	0.150	1.00	√	√	3days	18days
JK-mSMD075	0.75	1.50	13.2V	100	0.8	8.0	0.20	0.090	0.45	√	√	3days	18days
JK-mSMD075-24	0.75	1.50	24V	100	0.8	8.0	0.20	0.090	0.45	√	√	3days	18days
JK-mSMD075-33	0.75	1.50	33V	100	0.8	8.0	0.20	0.090	0.45	√	√	3days	18days

Electrical characteristics(25°C)

Part Number	I _{Hold}	I _{Trip}	V _{max}	I _{max}	P _d Max	Maximum Time to Trip		Resistance (Ω)		Certification		Delivery Time	
	A	A	DC	A	W	Current A	Time S	R _{imin}	R _{1max}	UL	TUV	in stock	Produce
JK-mSMD110	1.10	2.20	8V	100	0.8	8.0	0.30	0.050	0.25	√	√	3days	18days
JK-mSMD110-16	1.10	2.20	16V	100	0.8	8.0	0.30	0.050	0.25	√	√	3days	18days
JK-mSMD110-24	1.10	2.20	24V	100	0.8	8.0	0.30	0.050	0.25	√	√	3days	18days
JK-mSMD110-33	1.10	2.20	33V	100	0.8	8.0	0.30	0.050	0.25	√	√	3days	18days
JK-mSMD125-8	1.25	2.50	8V	100	0.8	8.0	0.40	0.050	0.20	√	√	3days	18days
JK-mSMD125	1.25	2.50	16V	100	0.8	8.0	0.40	0.050	0.20	-	√	3days	18days
JK-mSMD150	1.50	3.00	8V	100	0.8	8.0	0.50	0.040	0.16	√	√	3days	18days
JK-mSMD150-16	1.50	3.00	16V	100	0.8	8.0	0.50	0.040	0.16	√	√	3days	18days
JK-mSMD150-24	1.50	3.00	24V	100	0.8	8.0	0.50	0.040	0.16	-	√	3days	18days
JK-mSMD160	1.60	2.80	8V	100	0.8	8.0	1.00	0.030	0.13	√	√	3days	18days
JK-mSMD200	2.00	4.00	8V	100	0.8	8.0	2.00	0.020	0.10	√	√	3days	18days
JK-mSMD200-12	2.00	4.00	12V	100	0.8	8.0	2.00	0.020	0.10	-	√	3days	18days
JK-mSMD200-16	2.00	4.00	16V	100	0.8	8.0	2.00	0.020	0.10	-	√	3days	18days
JK-mSMD260	2.60	5.00	8V	100	0.8	8.0	2.50	0.015	0.05	√	√	3days	18days
JK-mSMD260-12	2.60	5.00	12V	100	0.8	8.0	2.50	0.015	0.06	-	√	3days	18days
JK-mSMD260-16	2.60	5.00	16V	100	0.8	8.0	2.50	0.015	0.06	-	√	3days	18days
JK-mSMD300	3.00	5.00	6V	100	0.8	8.0	4.00	0.012	0.04	√	√	3days	18days
JK-mSMD350	3.50	6.00	6V	35	2.0	8.0	4.00	0.008	0.03	-	√	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 (I_{max})

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

P_d=Maximum power dissipation when device is in the tripped state in 25°C still air environment at rated voltage

R_{imin/max} = Minimum/Maximum device resistance prior to tripping at 25°C

R_{1max} = Maximum device resistance is measured one hour post reflow

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Our email is : sales@huaandz.com or abc0734@126.com