

Resettable Fuse PTC SMD0603 Series

Features

RoHS Compliant & Halogen Free

faster tripping, 0603 Dimension, Surface mountable, Solid state

Operation Current: 0.03A~0.5A

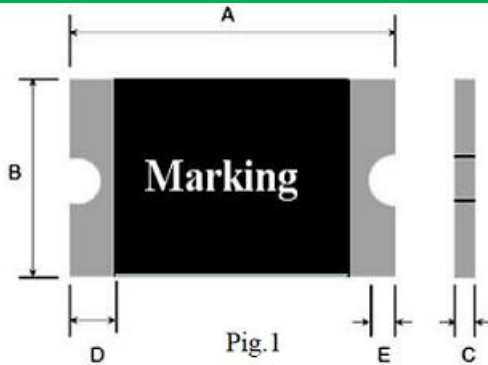
Maximum Voltage: 6V~30Vdc

Operating Temperature: -40°C to +85°C

Agency recognition:



Dimensions(1608mm / 0603 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	TUV	Delivery Time	
		Min	max	Min	Max	Min	Max	Min	Max	Max	Certificate	in stock	Produce
JK-SMD0603-003	-	1.45	1.85	0.65	1.05	0.4	0.75	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-004	-	1.45	1.85	0.65	1.05	0.4	0.75	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-005	1	1.45	1.85	0.65	1.05	0.4	0.75	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-010	1	1.45	1.85	0.65	1.05	0.4	0.75	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-020	2	1.45	1.85	0.65	1.05	0.4	0.75	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-025	2	1.45	1.85	0.65	1.05	0.4	1.00	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-030	3	1.45	1.85	0.65	1.05	0.4	1.00	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-035	3	1.45	1.85	0.65	1.05	0.4	1.00	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-040	5	1.45	1.85	0.65	1.05	0.5	1.20	0.15	0.5	0.4	-	3days	18days
JK-SMD0603-050	5	1.45	1.85	0.65	1.05	0.5	1.20	0.15	0.5	0.4	-	3days	18days

Electrical characteristics(25°C)

Part Number	I Hold	I Trip	V max	I max	Pd Max	Maximum Time to Trip		Resistance (Ω)		Delivery Time		Certification
	A	A	DC	A	W	Current (A)	Time S	Ri min	R1 max	in stock	Produce	TUV
JK-SMD0603-003	0.03	0.09	30V	20	0.50	0.15	1	6.0	65.0	3days	18days	Under Review
JK-SMD0603-004	0.04	0.12	24V	20	0.50	0.2	1	4.0	45.0	3days	18days	Under Review
JK-SMD0603-005	0.05	0.15	24V	20	0.50	0.2	1	3.0	35.0	3days	18days	Under Review
JK-SMD0603-010	0.10	0.30	15V	40	0.50	0.5	1	0.9	8.0	3days	18days	Under Review
JK-SMD0603-020	0.20	0.40	9V	40	0.50	1.0	0.6	0.55	3.5	3days	18days	Under Review
JK-SMD0603-025	0.25	0.55	9V	40	0.50	8	0.08	0.50	3.0	3days	18days	Under Review
JK-SMD0603-030	0.30	0.70	6V	40	0.50	8	0.1	0.30	2.0	3days	18days	Under Review
JK-SMD0603-035	0.35	0.75	6V	40	0.50	8	0.1	0.20	1.40	3days	18days	Under Review
JK-SMD0603-040	0.4	0.80	6V	40	0.50	8	0.1	0.20	0.9	3days	18days	Under Review
JK-SMD0603-050	0.5	1.00	6V	40	0.50	8	0.1	0.1	0.8	3days	18days	Under Review

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.

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

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

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