

### Low Resistance Resettable Fuse PTC SMD0603 Series

#### Features



RoHS Compliant & Halogen Free

faster tripping, 0603 Dimension, Surface mountable, Solid state

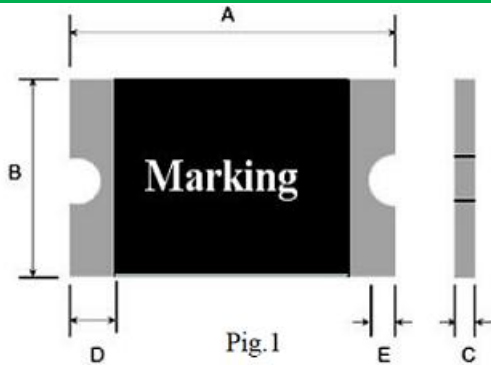
Operation Current: 0.35A~3.0A

Maximum Voltage: 6V

Operating Temperature: -40°C to +85°C

Agency recognition: RoHS

#### Dimensions(1608mm / 0603 mils) Unit: mm



Part number	Marking	A		B		C		D	E	UL	TUV	Delivery Time	
		Min	max	Min	Max	Min	Max	Min	Min			in stock	Produce
JK-SMD-0603-035L	A	1.45	1.85	0.65	1.05	0.3	0.7	0.15	0.1	-	-	3days	18days
JK-SMD-0603-050L	A	1.45	1.85	0.65	1.05	0.3	0.7	0.15	0.1	-	-	3days	18days
JK-SMD-0603-075L	A	1.45	1.85	0.65	1.05	0.3	0.7	0.15	0.1	-	-	3days	18days
JK-SMD-0603-100L	B	1.45	1.85	0.65	1.05	0.4	1.0	0.15	0.1	-	-	3days	18days
JK-SMD-0603-125L	B	1.45	1.85	0.65	1.05	0.4	1.0	0.15	0.1	-	-	3days	18days
JK-SMD-0603-150L	C	1.45	1.85	0.65	1.05	0.5	1.2	0.15	0.1	-	-	3days	18days
JK-SMD-0603-175L	C	1.45	1.85	0.65	1.05	0.5	1.2	0.15	0.1	-	-	3days	18days
JK-SMD-0603-200L	C	1.45	1.85	0.65	1.05	0.7	1.4	0.15	0.1	-	-	3days	18days
JK-SMD-0603-260L	E	1.45	1.85	0.65	1.05	0.7	1.4	0.15	0.1	-	-	3days	18days
JK-SMD-0603-300L	E	1.45	1.85	0.65	1.05	0.7	1.4	0.15	0.1	-	-	3days	18days

Electrical characteristics(25°C)

Part Number	I <sub>Hold</sub>	I <sub>Trip</sub>	V <sub>max</sub>	I <sub>max</sub>	P <sub>d</sub> Max	Maximum Time to Trip		Resistance (Ω)		Certification		Delivery Time	
	A	A	DC	A	w	Current (A)	Time (S)	R <sub>imin</sub>	R <sub>1max</sub>	UL	TUV	in stock	Produce
JK-SMD-0603-035L	0.35	0.70	6.0V	50	0.50	8.0	0.1	0.15	1.0	-	-	3days	18days
JK-SMD-0603-050L	0.5	1.0	6.0V	50	0.50	8.0	0.6	0.07	0.4	-	-	3days	18days
JK-SMD-0603-075L	0.75	1.5	6.0V	50	0.50	8.0	1.0	0.055	0.25	-	-	3days	18days
JK-SMD-0603-100L	1.0	2.0	6.0V	50	0.50	8.0	2.0	0.045	0.12	-	-	3days	18days
JK-SMD-0603-125L	1.25	2.5	6.0V	50	0.50	8.0	3.0	0.035	0.10	-	-	3days	18days
JK-SMD-0603-150L	1.5	3.0	6.0V	50	0.50	8.0	4.0	0.025	0.08	-	-	3days	18days
JK-SMD-0603-175L	1.75	3.5	6.0V	50	0.50	8.0	5.0	0.015	0.07	-	-	3days	18days
JK-SMD-0603-200L	2.0	4.0	6.0V	50	0.50	8.0	5.0	0.012	0.06	-	-	3days	18days
JK-SMD-0603-260L	2.6	5.2	6.0V	50	0.50	8.0	5.0	0.008	0.05	-	-	3days	18days
JK-SMD-0603-300L	3.0	6.0	6.0V	50	0.50	8.0	5.0	0.008	0.04	-	-	3days	18days

I<sub>hold</sub> = Hold Current. Maximum current device will not trip in 25°C still air.

I<sub>trip</sub> = Trip Current. Minimum current at which the device will always trip in 25°C still air.

V<sub>max</sub> = Maximum operating voltage device can withstand without damage at rated current (I<sub>max</sub>).

I<sub>max</sub> = Maximum fault current device can withstand without damage at rated voltage (V<sub>max</sub>).

P<sub>d</sub>=Maximum power dissipation when device is in the tripped state in 25°C still air environment at rated voltage.

R<sub>imin/max</sub> = Minimum/Maximum device resistance prior to tripping at 25°C.

R<sub>1max</sub> = Maximum device resistance is measured one hour post reflow.

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