

### Resettable Fuse PTC SMD0805 Series

#### Features

RoHS Compliant & Halogen Free

faster tripping, 0805 Dimension, Surface mountable, Solid state

Operation Current: 0.05A~1.10A

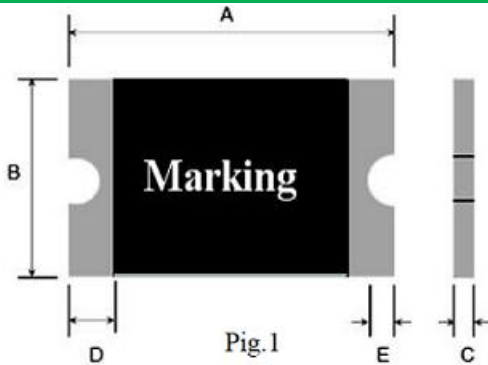
Maximum Voltage: 6V~24Vdc

Operating Temperature: -40°C to +85°C

Agency recognition: 



#### Dimensions(2012mm/ 0805 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-SMD0805-005	1	2.00	2.20	1.20	1.50	0.45	1.00	0.20	0.1	√	√	3days	18days
JK-SMD0805-010	1	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.1	√	√	3days	18days
JK-SMD0805-010-24	1	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.1	√	√	3days	18days
JK-SMD0805-020	2	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.1	√	√	3days	18days
JK-SMD0805-025	2	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.1	√	√	3days	18days
JK-SMD0805-030	3	2.00	2.20	1.20	1.50	0.30	1.00	0.20	0.1	√	√	3days	18days
JK-SMD0805-035	3	2.00	2.20	1.20	1.50	0.30	1.00	0.20	0.1	√	√	3days	18days
JK-SMD0805-050	5	2.00	2.20	1.20	1.50	0.40	0.80	0.20	0.1	√	√	3days	18days
JK-SMD0805-075	7	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.1	√	√	3days	18days
JK-SMD0805-100	0	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.1	√	√	3days	18days
JK-SMD0805-110	0	2.00	2.20	1.20	1.50	0.50	1.20	0.20	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-SMD0805-005	0.05	0.15	24V	100A	0.5	0.5	1.50	1.50	20.0	√	√	3days	18days
JK-SMD0805-010	0.10	0.30	15V	100A	0.5	0.5	1.50	1.00	6.00	√	√	3days	18days
JK-SMD0805-010-24	0.10	0.30	24V	40A	0.5	1.5	1.00	6.00	6.00	√	√	3days	18days
JK-SMD0805-020	0.20	0.50	9V	100A	0.5	8.0	0.02	0.50	3.50	√	√	3days	18days
JK-SMD0805-025	0.25	0.50	6V	100A	0.5	8.0	0.02	0.45	3.20	√	√	3days	18days
JK-SMD0805-030	0.30	0.70	6V	100A	0.5	8.0	0.10	0.25	2.00	√	√	3days	18days
JK-SMD0805-035	0.35	0.75	6V	100A	0.5	8.0	0.10	0.25	1.20	√	√	3days	18days
JK-SMD0805-050	0.50	1.00	6V	100A	0.6	8.0	0.10	0.15	0.85	√	√	3days	18days
JK-SMD0805-075	0.75	1.50	6V	100A	0.6	8.0	0.20	0.09	0.385	√	√	3days	18days
JK-SMD0805-100	1.00	1.95	6V	100A	0.6	8.0	0.30	0.06	0.23	√	√	3days	18days
JK-SMD0805-110	1.10	2.20	6V	100A	0.6	8.0	0.30	0.06	0.21	√	√	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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