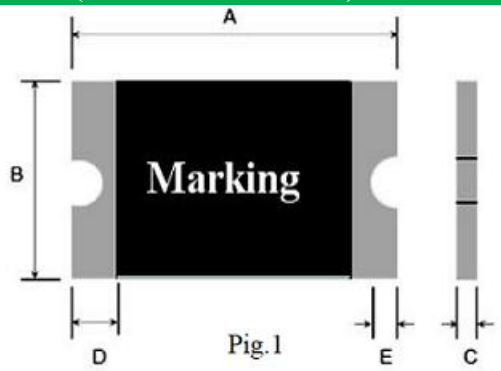
Resettable Fuse PTC SMD1210 Series

Features

RoHS

RoHS Compliant & Halogen Free
faster tripping, 1210 Dimension, Surface mountable, Solid state
Operation Current: 0.05A~2.0A
Maximum Voltage: 6V~60Vdc
Operating Temperature：-40℃ to +85℃
Agency recognition: RoHS

Dimensions(3225mm/ 1210 mils) Unit: mm



Pig.1

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-SMD1210-005	JN	3.00	3.43	2.35	2.8	0.6	1.25	0.15	0.1	-	-	3days	18days
JK-SMD1210-010	JN	3.00	3.43	2.35	2.8	0.6	1.25	0.15	0.1	-	-	3days	18days
JK-SMD1210-020	JF	3.00	3.43	2.35	2.8	0.5	1.00	0.15	0.1	-	-	3days	18days
JK-SMD1210-035	JB	3.00	3.43	2.35	2.8	0.35	0.90	0.15	0.1	-	-	3days	18days
JK-SMD1210-035-30	JB	3.00	3.43	2.35	2.8	0.35	1.00	0.15	0.1	-	-	3days	18days
JK-SMD1210-050	JG	3.00	3.43	2.35	2.8	0.35	0.90	0.15	0.1	-	-	3days	18days
JK-SMD1210-075	JA	3.00	3.43	2.35	2.8	0.35	0.85	0.15	0.1	-	-	3days	18days
JK-SMD1210-075-24	JA	3.00	3.43	2.35	2.8	0.50	1.10	0.15	0.1	-	-	3days	18days
JK-SMD1210-110	JK	3.00	3.43	2.35	2.8	0.4	1.10	0.15	0.1	-	-	3days	18days
JK-SMD1210-110-12	JK	3.00	3.43	2.35	2.8	0.4	1.40	0.15	0.1	-	-	3days	18days
JK-SMD1210-110-16	JK	3.00	3.43	2.35	2.8	0.4	1.40	0.15	0.1	-	-	3days	18days
JK-SMD1210-150	JK	3.00	3.43	2.35	2.8	0.6	1.40	0.15	0.1	-	-	3days	18days
JK-SMD1210-175	JK	3.00	3.43	2.35	2.8	0.6	1.40	0.15	0.1	-	-	3days	18days
JK-SMD1210-200	JK	3.00	3.43	2.35	2.8	0.6	1.50	0.15	0.1	-	-	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-SMD1210-005	0.05	0.15	60V	100	0.6	0.25	1.50	2.8	50	_	_	3days	18days
JK-SMD1210-010	0.10	0.30	30V	100	0.6	0.50	0.60	0.8	15	_	_	3days	18days
JK-SMD1210-020	0.20	0.40	30V	100	0.6	8.0	0.02	0.40	5	_	_	3days	18days
JK-SMD1210-035	0.35	0.75	16V	100	0.6	8.0	0.20	0.20	1.3	_	_	3days	18days
JK-SMD1210-035-30	0.35	0.75	30V	100	0.6	8.0	0.20	0.20	1.3	_	_	3days	18days
JK-SMD1210-050	0.50	1.00	16V	100	0.6	8.0	0.10	0.18	0.9	_	_	3days	18days
JK-SMD1210-075	0.75	1.50	6V	100	0.6	8.0	0.10	0.07	0.4	_	_	3days	18days
JK-SMD1210-075-24	0.75	1.50	24V	100	0.6	8.0	0.10	0.07	0.45	_	_	3days	18days
JK-SMD1210-110	1.10	2.20	6V	100	0.6	8.0	0.30	0.05	0.21	_	_	3days	18days
JK-SMD1210-110-12	1.10	2.20	12V	100	0.8	8.0	0.30	0.05	0.25	_	_	3days	18days
JK-SMD1210-110-16	1.10	2.20	16V	100	0.8	8.0	0.30	0.05	0.25	_	_	3days	18days
JK-SMD1210-150	1.50	3.00	6V	100	0.8	8.0	0.50	0.03	0.21	_	_	3days	18days
JK-SMD1210-175	1.75	3.50	6V	100	0.8	8.0	0.60	0.02	0.08	_	_	3days	18days
JK-SMD1210-200	2.00	4.00	6V	100	0.8	8.0	1.00	0.015	0.07	_	_	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).
Pd=Maximum power dissipation when device is in the tripped state in 25°C still air environment at rated voltage.
$Ri_{min/max}$ = Minimum/Maximum device resistance prior to tripping at 25°C.
$R1_{max}$ = Maximum device resistance is measured one hour post reflow.

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