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Techfuse
PTC Devices
Resettable Fuse

PRODUCT: SMD1210 series
 DOCUMENT: QR0429
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Specification Sheet

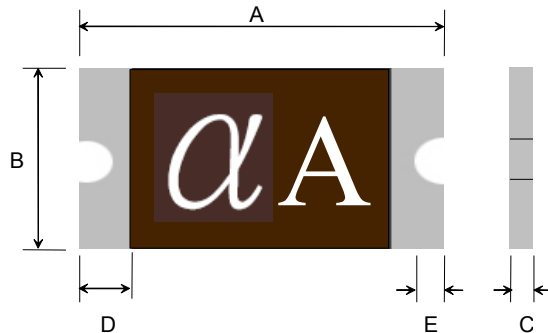
Terminal Pad Solderability:
 Meets EIA Specification RS186-9E
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:

Part Identification
 SMD1210-005 = α A

**TABLE I. DIMENSIONS:**

Model	Marking	A		B		C		D
		Min.	Max.	Min.	Max.	Min.	Max.	Min.
SMD1210-005	α A	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-010	α B	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-020	α C	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-035	α D	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-050	α F	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-075	α G	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-110	α H	3.00	3.43	2.35	2.80	0.30	0.80	0.30
SMD1210-150	α L	3.00	3.43	2.35	2.80	0.40	0.80	0.30
SMD1210-175	α N	3.00	3.43	2.35	2.80	0.40	0.80	0.30
SMD1210-200	α S	3.00	3.43	2.35	2.80	0.50	1.20	0.30

Unit:mm

TABLE II. PERFORMANCE RATINGS:

Model	Marking	V _{max} (V)	I _{max} (A)	I _{hold} @25°C (A)	I _{trip} @25°C (A)	P _d Typ. (W)	Maximum Time To Trip		Resistance		
							Current (A)	Time (Sec)	R _{i_min} (Ω)	R _{i_typ} (Ω)	R _{1_max} (Ω)
SMD1210-005	α A	30	100	0.05	0.15	0.6	0.25	1.50	2.800	25.000	50.000
SMD1210-010	α B	30	100	0.10	0.30	0.6	0.50	0.60	0.800	5.000	15.000
SMD1210-020	α C	30	100	0.20	0.40	0.6	8.0	0.02	0.400	2.000	5.000
SMD1210-035	α D	6	100	0.35	0.75	0.6	8.0	0.20	0.200	0.550	1.300
SMD1210-050	α F	13.2	100	0.50	1.00	0.6	8.0	0.10	0.180	0.400	0.900
SMD1210-075	α G	6	100	0.75	1.50	0.6	8.0	0.10	0.070	0.130	0.400
SMD1210-110	α H	6	100	1.10	2.20	0.6	8.0	0.30	0.050	0.100	0.210
SMD1210-150	α L	6	100	1.50	3.00	0.6	8.0	0.50	0.030	0.070	0.110
SMD1210-175	α N	6	100	1.75	3.50	0.8	8.0	0.60	0.020	-	0.080
SMD1210-200	α S	6	100	2.00	4.00	0.8	8.0	1.00	0.015	-	0.070

Order Information**Packaging**

SMD1210	010	Tape & Reel Quantity	
Product name	Hold	Max	050,075 4000 pcs/reel
Size 3225 mm / 1210 mils	Current	voltage	The others 4500 pcs/reel
SMD: surface mount device	0.10A		

Recognition: UL Pending.