

**SEA&LAND ELECTRONIC CORP.**

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**Techfuse**  
**PTC Devices**  
 Resettable Fuse

PRODUCT: SMD1210 series  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
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 PAGE NO.: 1 of 1

## Specification Sheet

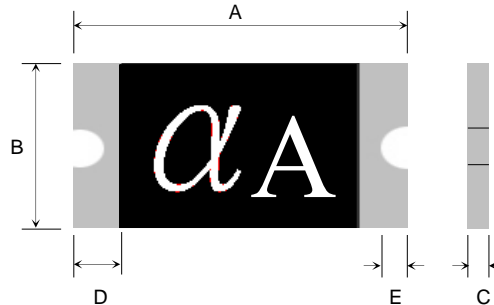
Terminal Pad Solderability:  
 Meets EIA Specification RS186-9E  
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:  
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

**Marking:**

Part Identification  
 SMD1210-005 =  $\alpha A$

**TABLE I. DIMENSIONS:**

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SMD1210-005	$\alpha A$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-010	$\alpha B$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-020	$\alpha C$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-025	$\alpha C$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-035	$\alpha D$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-050	$\alpha F$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-075	$\alpha G$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-100	$\alpha H$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-110	$\alpha H$	3.00	3.43	2.35	2.80	0.40	0.90	0.30	0.10
SMD1210-150	$\alpha L$	3.00	3.43	2.35	2.80	0.50	1.20	0.30	0.10
SMD1210-175	$\alpha N$	3.00	3.43	2.35	2.80	0.50	1.20	0.30	0.10
SMD1210-200	$\alpha S$	3.00	3.43	2.35	2.80	0.50	1.20	0.30	0.10

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)	$R_{i_{min}}$ ( $\Omega$ )	$R_{1_{max}}$ ( $\Omega$ )
SMD1210-005	$\alpha A$	30	100	0.05	0.15	0.6	0.25	1.50	2.800	50.000
SMD1210-010	$\alpha B$	30	100	0.10	0.30	0.6	0.50	0.60	0.800	15.000
SMD1210-020	$\alpha C$	30	100	0.20	0.40	0.6	8.0	0.02	0.400	5.000
SMD1210-025	$\alpha C$	30	100	0.25	0.50	0.6	8.0	0.02	0.400	4.500
SMD1210-035	$\alpha D$	6.0	100	0.35	0.75	0.6	8.0	0.20	0.200	1.300
SMD1210-050	$\alpha F$	13.2	100	0.50	1.00	0.6	8.0	0.10	0.180	0.900
SMD1210-075	$\alpha G$	6.0	100	0.75	1.50	0.6	8.0	0.10	0.070	0.400
SMD1210-100	$\alpha H$	6.0	100	1.00	1.80	0.6	8.0	0.30	0.055	0.230
SMD1210-110	$\alpha H$	6.0	100	1.10	2.20	0.6	8.0	0.30	0.050	0.210
SMD1210-150	$\alpha L$	6.0	100	1.50	3.00	0.6	8.0	0.50	0.030	0.110
SMD1210-175	$\alpha N$	6.0	100	1.75	3.50	0.8	8.0	0.60	0.020	0.080
SMD1210-200	$\alpha S$	6.0	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: SMD1210-050 : UL Approved.

E201504/E319079

