

**SEA&LAND ELECTRONIC CORP.**

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

PRODUCT: SMD1210-005  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
 REV DATE: 2014/12/27  
 PAGE NO.: 1 of 1

## Specification Sheet

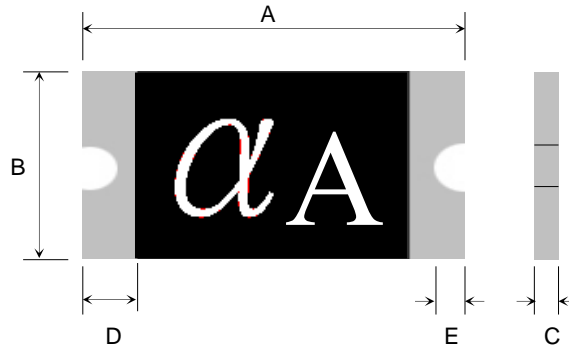
Terminal Pad Solderability:  
 Meets EIA Specification RS186-9E  
 And ANSI/J-STD-002 Category 3.

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 | 0.30 |

Unit:mm

**TABLE II. PERFORMANCE RATINGS:**

| Model       | Marking    | $V_{max}$<br>(V) | $I_{max}$<br>(A) | $I_{hold}$<br>@25°C<br>(A) | $I_{trip}$<br>@25°C<br>(A) | $P_d$<br>Typ.<br>(W) | Maximum<br>Time To Trip |               | Resistance                    |                               |
|-------------|------------|------------------|------------------|----------------------------|----------------------------|----------------------|-------------------------|---------------|-------------------------------|-------------------------------|
|             |            |                  |                  |                            |                            |                      | Current<br>(A)          | Time<br>(Sec) | $R_{i_{min}}$<br>( $\Omega$ ) | $R_{1_{max}}$<br>( $\Omega$ ) |
| SMD1210-005 | $\alpha A$ | 30               | 100              | 0.05                       | 0.15                       | 0.6                  | 0.25                    | 1.50          | 2.800                         | 50.000                        |

**Order Information****Packaging**

| SMD1210                   | 005     | Tape & Reel Quantity |               |
|---------------------------|---------|----------------------|---------------|
| Product name              | Hold    | Max                  | 4500 pcs/reel |
| Size 3225 mm / 1210 mils  | Current | voltage              |               |
| SMD: surface mount device | 0.05A   |                      |               |

Recognition: UL Pending.