

**SEA&LAND ELECTRONIC CORP.**

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

PRODUCT: SMD0603-075  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER: A  
 REV DATE: 2011-3-29  
 PAGE NO.: 1 of 1

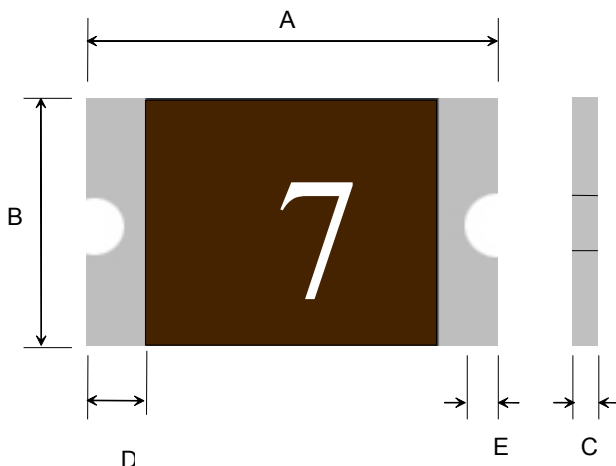
# Specification Sheet

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  
 7 = 075



**TABLE I. DIMENSIONS:**

| Model       | Marking | A    |      | B    |      | C    |      | D    |
|-------------|---------|------|------|------|------|------|------|------|
|             |         | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| SMD0603-075 | 7       | 1.45 | 1.85 | 0.65 | 1.05 | 0.50 | 1.10 | 0.15 |

Unit:mm

**TABLE II. PERFORMANCE RATING:**

| Model       | Marking | V <sub>max</sub><br>(Vdc) | I <sub>max</sub><br>(A) | I <sub>hold</sub><br>@25°C<br>(A) | I <sub>trip</sub><br>@25°C<br>(A) | P <sub>d</sub><br>Typ.<br>(W) | Maximum<br>Time To Trip |               | Resistance                |                           |
|-------------|---------|---------------------------|-------------------------|-----------------------------------|-----------------------------------|-------------------------------|-------------------------|---------------|---------------------------|---------------------------|
|             |         |                           |                         |                                   |                                   |                               | Current<br>(A)          | Time<br>(Sec) | R <sub>i_min</sub><br>(Ω) | R <sub>1_max</sub><br>(Ω) |
| SMD0603-075 | 7       | 6.0                       | 40                      | 0.75                              | 1.40                              | 0.50                          | 8.0                     | 0.10          | 0.060                     | 0.450                     |

**Order Information**

**Packaging**

| SMD0603                   | 075             | Tape & Reel Quantity |  |
|---------------------------|-----------------|----------------------|--|
| Product name              | Hold Max        | 5,000 pcs/reel       |  |
| Size 1508 mm / 0603 mils  | Current voltage |                      |  |
| SMD: surface mount device | 0.75A           |                      |  |

Recognition: UL Pending.