

SEA&LAND ELECTRONIC CORP.

13F.,No.120-10,
 Sec.3,Zhongshan Rd.,Zhonghe City,Taipei County,
 Taiwan, R.O.C.
 Tel.: 886-2-8221-2567
 Fax.: 886-2-2225-7268

Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SMD0805-050
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2011-3-10
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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
 5 = 050

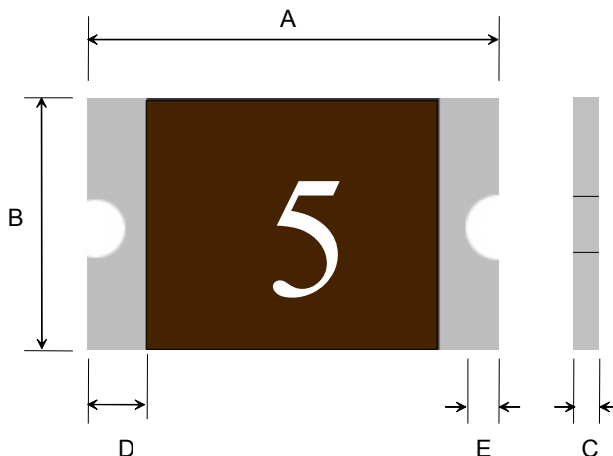


TABLE I. DIMENSIONS:

| Model | Marking | A | | B | | C | | D | E |
|-------------|---------|------|------|------|------|------|------|------|------|
| | | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Min. |
| SMD0805-050 | 5 | 2.00 | 2.20 | 1.20 | 1.50 | 0.30 | 0.60 | 0.20 | 0.10 |

Unit:mm

TABLE II. PERFORMANCE RATING:

| Model | Marking | V _{max} (Vdc) | 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) |
| | | | | | | | | | | | |
| SMD0805-050 | 5 | 6.0 | 100 | 0.50 | 1.00 | 0.50 | 8.0 | 0.10 | 0.150 | 0.420 | 0.850 |

Order Information

Packaging

| SMD0805 | | 050 | | Tape & Reel Quantity | |
|---------------------------|---------|---------|--|----------------------|----------------|
| Product name | Hold | Max | | | |
| Size 2012 mm / 0805 mils | Current | voltage | | 050 | 5,000 pcs/reel |
| SMD: surface mount device | 0.50A | | | | |

Recognition: UL Approved.

E201504/E319079

