

**SEA&LAND ELECTRONIC CORP.**

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

PRODUCT: mSMD010  
DOCUMENT: QR0429  
ECN. NO.:  
REV LETTER:  
REV DATE: 2020/12/22  
PAGE NO.: 1 of 1

## Specification Sheet

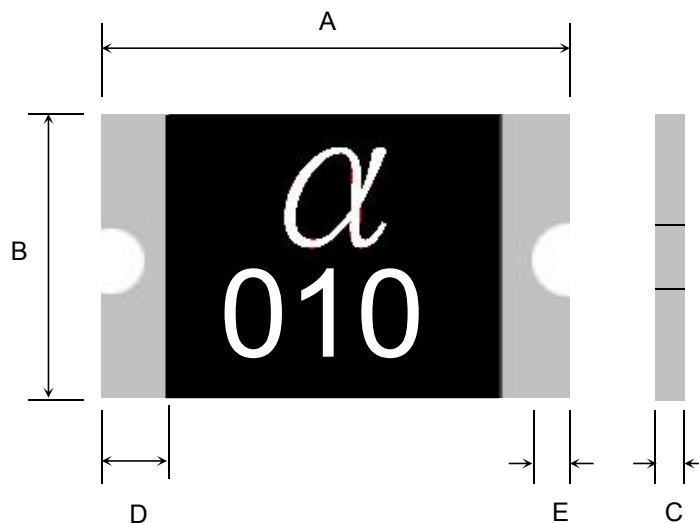
Terminal Pad Solderability:  
Meets EIA Specification RS186-9E  
And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:  
Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:

$\alpha$  Alpha Logo  
010 Part Identification



**TABLE I. DIMENSIONS:**

| Model       | A    |      | B    |      | C    |      | D    | E    |
|-------------|------|------|------|------|------|------|------|------|
|             | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Min. |
| mSMD010-60V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.00 | 0.30 | 0.25 |

Unit:mm

**TABLE II. PERFORMANCE RATINGS:**

| Model       | $V_{max}$<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>(Ω) | $R_{1_{max}}$<br>(Ω) |
| mSMD010-60V | 60.0             | 100              | 0.10                       | 0.30                       | 0.8                  | 0.5                     | 1.50          | 0.750                | 15.000               |

### Order Information

### Packaging

| mSMD1812                  | 010-60V | Tape & Reel Quantity |               |
|---------------------------|---------|----------------------|---------------|
| Product name              | Hold    | Max                  |               |
| Size 4532 mm /1812 mils   | Current | voltage              | 1500 pcs/reel |
| SMD: surface mount device | 0.10A   |                      |               |

Recognition:

UL/TUV, approved. E201504/E319079

R 50481056

2015/863/EU

EN14582

