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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: nSMD003
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2023-1-3
 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

nSMD003 = αT

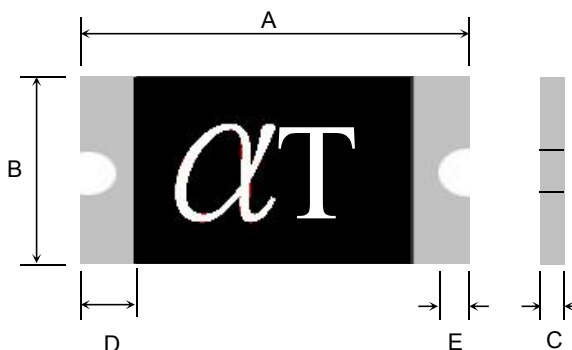


TABLE I. DIMENSIONS:

| Model | Marking | A | | B | | C | | D | E |
|---------|------------|------|------|------|------|------|------|------|------|
| | | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Min. |
| nSMD003 | αT | 3.00 | 3.50 | 1.50 | 1.80 | 0.60 | 1.10 | 0.15 | 0.10 |

Unit:mm

TABLE II. PERFORMANCE RATINGS:

| 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) | $R_{1_{max}}$ (Ω) |
| nSMD003 | αT | 60.0 | 100 | 0.03 | 0.10 | 0.4 | 0.2 | 1.20 | 8.000 | 80.000 |

Order Information

Packaging

| SMD1206 | 003 | Tape & Reel Quantity |
|---------------------------|---------|----------------------|
| Product name | Hold | Max |
| Size 3216 mm / 1206 mils | Current | voltage |
| SMD: surface mount device | 0.03A | 3500 pcs/reel |

Recognition:

2015/863/EU



EN14582

