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

PRODUCT: nSMD250  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
 REV DATE: 2017/3/8  
 PAGE NO.: 1 of 1

# Specification Sheet

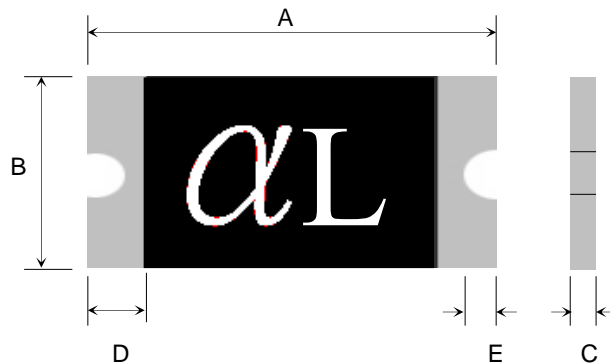
Terminal Pad Solderability:  
 Meets EIA Specification RS186-9E  
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:  
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

**Marking:**

Part Identification  
 nSMD250 = αL

**TABLE I. DIMENSIONS:**

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
nSMD250	αL	3.00	3.50	1.50	1.80	0.80	1.40	0.15	0.10

Unit:mm

**TABLE II. PERFORMANCE RATINGS:**

Model	Marking	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	I <sub>hold</sub> @25°C (A)	I <sub>trip</sub> @25°C (A)	P <sub>d</sub> Typ. (W)	Maximum Time To Trip		Resistance	
							Current (A)	Time (Sec)	R <sub>i_min</sub> (Ω)	R <sub>1_max</sub> (Ω)
nSMD250	αL	6.0	100	2.50	5.00	1.2	8.0	2.00	0.015	0.070

**Order Information****Packaging**

SMD1206	250	Tape & Reel Quantity	
Product name	Hold	Max	3500 pcs/reel
Size 3216 mm / 1206 mils	Current	voltage	
SMD: surface mount device	2.50A		

Recognition: UL Pending.