

**SEA&LAND ELECTRONIC CORP.**

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

PRODUCT: nSMD050  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
 REV DATE: 2011-3-10  
 PAGE NO.: 1 of 1

# Specification Sheet

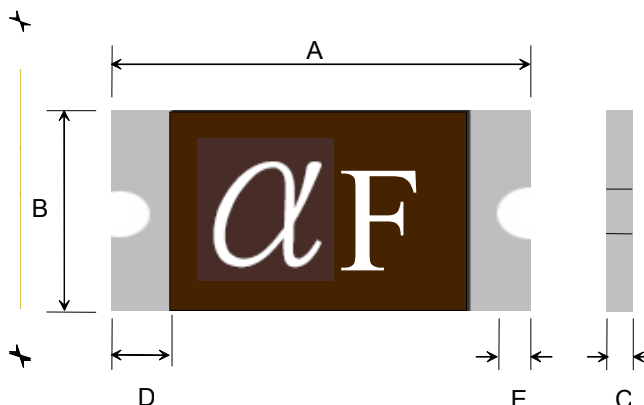
Terminal Pad Solderability:  
 Meets EIA Specification RS186-9E  
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:  
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

**Marking:**

Part Identification  
 nSMD050 = αF



**TABLE I. DIMENSIONS**

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
nSMD050	αF	3.00	3.50	1.50	1.80	0.35	0.85	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>i_typ</sub> (Ω)	R <sub>1_max</sub> (Ω)
nSMD050	αF	6.0	100	0.50	1.00	0.6	8.0	0.10	0.150	0.300	0.700

**Order Information**

**Packaging**

SMD1206	050	Tape & Reel Quantity	
Product name	Hold	Max	5000 pcs/reel
Size 3216 mm / 1206 mils	Current	voltage	
SMD: surface mount device	0.50A		

Recognition: UL Approved.

E201504/E319079

