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

PRODUCT: nSMD050-33V  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
 REV DATE: 2017-8-2  
 PAGE NO.: 1 of 1

# Specification Sheet

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

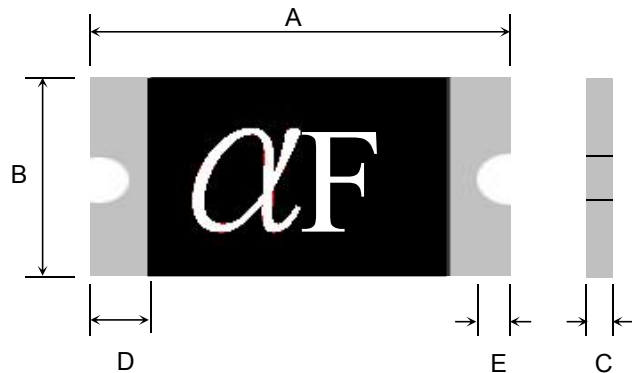
Terminal Pad Materials:  
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

**Marking:**

Part Identification

nSMD050 = α F

**TABLE I. DIMENSIONS:**

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
nSMD050-33V	αF	3.00	3.50	1.50	1.80	0.80	1.40	0.15	0.10

Unit:mm

**TABLE II. PERFORMANCE RATINGS:**

Model	Marking	$V_{max}$ (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)
nSMD050-33V	αF	33.0	100	0.50	1.00	0.6	8.0	0.10	0.150	0.300	0.700

**Order Information****Packaging**

SMD1206	050	-33V	Tape & Reel Quantity
Product name	Hold	Max	3500 pcs/reel
Size 3216 mm / 1206 mils	Current	voltage	
SMD: surface mount device	0.50A		

Recognition: UL Pending.