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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: nSMD012
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2025/10/1
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Specification Sheet

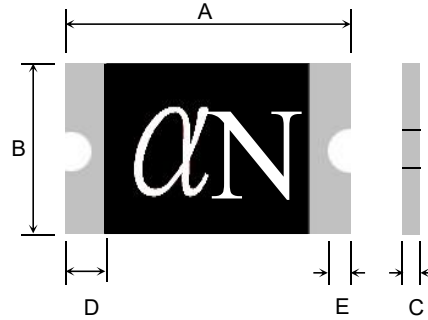
Terminal Pad Solderability:
 Meets EIA Specification RS186-9E
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:

Part Identification
 nSMD012 = α N

**TABLE I. DIMENSIONS:**

Model	Marking	A		B		C		D	E	Unit:mm
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.	
nSMD012	α N	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10	

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)
nSMD012	α N	60	100	0.12	0.29	0.4	0.5	1.00	1.600	15.000

Order Information**Packaging**

SMD1206	012	Tape & Reel Quantity
Product name	Hold Max	3500 pcs/reel
Size 3216 mm / 1206 mils	Current voltage	
SMD: surface mount device	0.12A	

Agency Approvals :

E201504(Alpha-Top)/E319079(Sea&Land)



J 50656626



CQC25001473187

GB 4943.1-2022;IEC 60730-1 : 2013 15、17、J.15、J.17;GB/T 7153-2002

Regulation/Standard:

2015/863/EU



EN14582