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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: nSMD series
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER: B
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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

nSMD005 = αZ

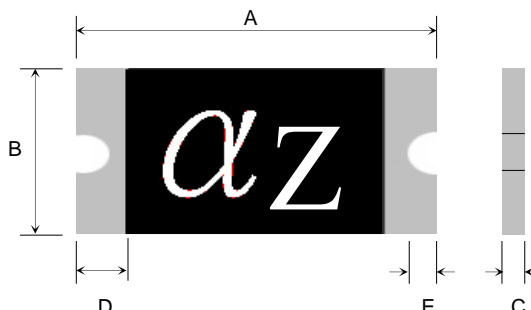


TABLE I. DIMENSIONS:

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
nSMD005	αZ	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
nSMD010	αN	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
nSMD012	αN	3.00	3.50	1.50	1.80	0.60	1.10	0.15	0.10
nSMD020	αA	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
nSMD025	αA	3.00	3.50	1.50	1.80	0.40	0.90	0.15	0.10
nSMD035	αB	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
nSMD050	αF	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
nSMD075	αG	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
nSMD100	αH	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
nSMD110	αH	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
nSMD150	αI	3.00	3.50	1.50	1.80	0.50	1.20	0.15	0.10
nSMD200	αk	3.00	3.50	1.50	1.80	0.50	1.20	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)
nSMD010	αN	60.0	100	0.10	0.25	0.4	0.5	1.00	1.600	15.000
nSMD012	αN	60.0	100	0.12	0.29	0.4	0.5	1.00	1.600	15.000
nSMD020	αA	24.0	100	0.20	0.46	0.6	8.0	0.08	0.350	2.700
nSMD025	αA	16.0	100	0.25	0.50	0.6	8.0	0.08	0.350	2.500
nSMD035	αB	6.0	100	0.35	0.75	0.6	8.0	0.10	0.250	1.300
nSMD050	αF	6.0	100	0.50	1.00	0.6	8.0	0.10	0.150	0.700
nSMD075	αG	6.0	100	0.75	1.50	0.6	8.0	0.20	0.090	0.500
nSMD100	αH	6.0	100	1.00	1.80	0.6	8.0	0.30	0.055	0.270
nSMD110	αH	6.0	100	1.10	2.20	0.6	8.0	0.30	0.050	0.250
nSMD150	αI	6.0	100	1.50	3.00	0.8	8.0	1.00	0.040	0.130
nSMD200	αk	6.0	100	2.00	3.50	0.8	8.0	1.50	0.018	0.080

Order Information

Packaging

SMD1206	200	Tape & Reel Quantity	
Product name	Hold	Max	005,010,012,150,200 3500 pcs/reel
Size 3216 mm / 1206 mils	Current	voltage	020,025,035,050,075,100 5000 pcs/reel
SMD: surface mount device	2.00A		

Recognition: nSMD025~100 : UL Approved. E201504/E319079 nSMD100, nSMD150 :TÜV, Approved. R50141892
 nSMD005~020,110,200 : UL Pendi

