

SEA&LAND ELECTRONIC CORP.

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Techfuse
PTC Devices
Resettable Fuse

PRODUCT: mSMD series
DOCUMENT: QR0429
ECN. NO.:
REV LETTER:
REV DATE: 2011-3-16
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:

α Alpha Logo
110 Part Identification

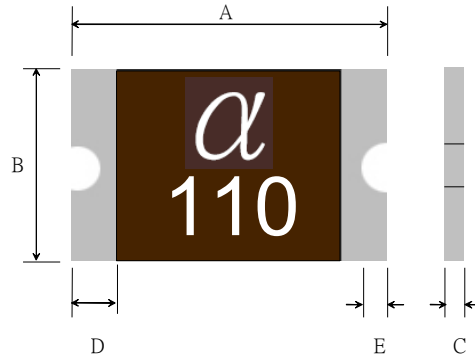


TABLE I. DIMENSIONS:

Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
mSMD010	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD014	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD020	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD030	4.37	4.73	3.07	3.41	0.50	1.00	0.30	0.25
mSMD050	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD075	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD110	4.37	4.73	3.07	3.41	0.4/0.6	0.9/1.3	0.30	0.25
mSMD125	4.37	4.73	3.07	3.41	0.3/0.6	0.8/1.3	0.30	0.25
mSMD150	4.37	4.73	3.07	3.41	0.30	0.80	0.30	0.25
mSMD160	4.37	4.73	3.07	3.41	0.30	0.80	0.30	0.25
mSMD200	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.25
mSMD260	4.37	4.73	3.07	3.41	0.50	1.10	0.30	0.25
mSMD300	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.25
mSMD350	4.37	4.73	3.07	3.41	0.50	1.20	0.30	0.25

Unit:mm

TABLE II. PERFORMANCE RATINGS:

Model	V _{max} (V)	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 _{Imin} (Ω)	R _{Iyp} (Ω)	R _{Imax} (Ω)
mSMD010	30.0	100	0.10	0.30	0.8	0.5	1.50	0.750	2.000	15.000
mSMD014	60.0	100	0.14	0.34	0.8	1.5	0.15	0.650	1.500	6.000
mSMD020	30.0	100	0.20	0.40	0.8	8.0	0.02	0.350	0.800	5.000
mSMD030	30.0	100	0.30	0.60	0.8	8.0	0.10	0.250	0.350	3.000
mSMD050	15.0	100	0.50	1.00	0.8	8.0	0.15	0.150	0.250	1.000
mSMD075	13.2	100	0.75	1.50	0.8	8.0	0.20	0.090	0.150	0.450
mSMD110	8.0	100	1.10	2.20	0.8	8.0	0.30	0.050	0.065	0.250
mSMD110-16V	16.0	100	1.10	2.20	0.8	8.0	0.30	0.050	0.065	0.250
mSMD125	16.0	100	1.25	2.50	0.8	8.0	0.40	0.050	0.075	0.140
mSMD150	8.0	100	1.50	3.00	0.8	8.0	0.50	0.040	0.055	0.160
mSMD150-16V	16.0	100	1.50	3.00	0.8	8.0	0.50	0.040	0.055	0.160
mSMD160	8.0	100	1.60	2.80	0.8	8.0	1.00	0.030	0.050	0.130
mSMD200	8.0	100	2.00	4.00	0.8	8.0	2.00	0.020	0.032	0.100
mSMD260	8.0	100	2.60	5.00	0.8	8.0	2.50	0.015	0.027	0.050
mSMD300	8.0	100	3.00	5.00	0.8	8.0	4.00	0.012	0.027	0.040
mSMD350	6.0	100	3.50	6.00	2.0	10.0	4.00	0.008	-	0.030

Order Information

Packaging

mSMD	110	Tape & Reel Quantity
Product name	Hold	Max
Size 4532 mm / 1812 mils	Current	voltage
SMD : surface mount device	1.10A	mSMD series 1500 pcs/reel

Tape & reel packaging per EIA481-1

Recognition: mSMD050, 075, 110, 150, 200 UL Approved.

E201504/E319079

