

SEA&LAND ELECTRONIC CORP.13F., No.120-10,
Sec. 3, Zhongshan Rd., Zhonghe Dist., New Taipei City 235,
TaiwanTel.: 886-2-8221-2567
Fax.: 886-2-2225-7268**Techfuse**
PTC Devices
Resettable FusePRODUCT: mSMD series
DOCUMENT: QR0429
ECN. NO.:
REV LETTER:
REV DATE: 2014/12/27
PAGE NO.: 1 of 1

Specification Sheet

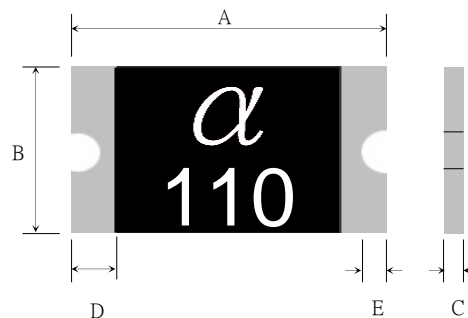
Terminal Pad Solderability:
Meets EIA Specification RS186-9E
And ANSI/J-STD-002 Category 3.
Terminal Pad Materials:
Tin-plated Nickel-CopperLead-Free, RoHS Compliant
Marking: α Alpha Logo
110 Part Identification

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	1.30	0.30	0.25
mSMD030	4.37	4.73	3.07	3.41	0.50	1.30	0.30	0.25
mSMD050	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD050-33V	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.25
mSMD075	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD100	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	0.40	0.90	0.30	0.25
mSMD110-16V	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.25
mSMD125	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.25
mSMD150	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD150-16V	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.25
mSMD160	4.37	4.73	3.07	3.41	0.40	0.90	0.30	0.25
mSMD200	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.25
mSMD260	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.25
mSMD300	4.37	4.73	3.07	3.41	0.50	1.30	0.30	0.25
mSMD350	4.37	4.73	3.07	3.41	0.50	1.30	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)	$R_{i_{min}}$ (Ω)	$R_{1_{max}}$ (Ω)
mSMD014	60.0	100	0.14	0.34	0.8	1.5	0.15	0.650	6.000
mSMD020	30.0	100	0.20	0.40	0.8	8.0	0.02	0.350	5.000
mSMD030	30.0	100	0.30	0.60	0.8	8.0	0.10	0.250	3.000
mSMD050	15.0	100	0.50	1.00	0.8	8.0	0.15	0.150	1.000
mSMD050-33V	33.0	100	0.50	1.00	0.8	8.0	0.15	0.150	1.000
mSMD075	13.2	100	0.75	1.50	0.8	8.0	0.20	0.090	0.450
mSMD100	8.0	100	1.00	1.80	0.8	8.0	0.30	0.055	0.270
mSMD110	8.0	100	1.10	2.20	0.8	8.0	0.30	0.050	0.250
mSMD125	16.0	100	1.25	2.50	0.8	8.0	0.40	0.050	0.140
mSMD150	8.0	100	1.50	3.00	0.8	8.0	0.50	0.040	0.160
mSMD160	8.0	100	1.60	2.80	0.8	8.0	1.00	0.030	0.130
mSMD200	8.0	100	2.00	4.00	0.8	8.0	2.00	0.020	0.100
mSMD260	8.0	100	2.60	5.00	0.8	8.0	2.50	0.015	0.050
mSMD300	8.0	100	3.00	5.00	0.8	8.0	4.00	0.012	0.040
mSMD350	6.0	100	3.50	6.00	2.0	10.0	4.00	0.008	0.030

Order Information

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

Tape & reel packaging per EIA481-1

Recognition: mSMD010, 050, 075, 110, 150, 200, 260 UL Approved E201504/E319079

