

SEA&LAND ELECTRONIC CORP.

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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SMD0603series
 DOCUMENT: QR0429
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Specification Sheet

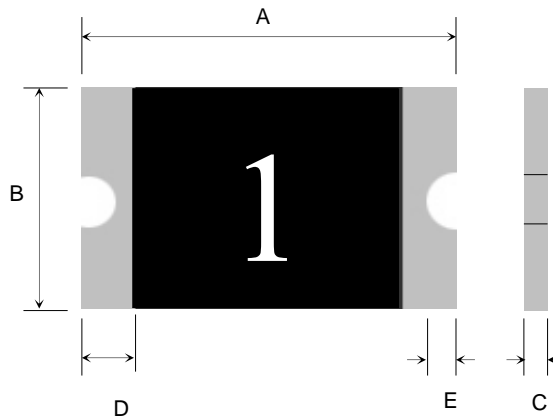
Terminal Pad Solderability:
 Meets EIA Specification RS186-9E
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:

Part Identification
 1= 010

**TABLE I. DIMENSIONS:**

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SMD0603-005	V	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.10
SMD0603-010	1	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.10
SMD0603-020	2	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.10
SMD0603-025	2	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.10
SMD0603-035	3	1.45	1.85	0.65	1.05	0.40	1.00	0.15	0.10
SMD0603-050	5	1.45	1.85	0.65	1.05	0.50	1.10	0.15	0.10
SMD0603-075	7	1.45	1.85	0.65	1.05	0.50	1.10	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)
SMD0603-005	V	15.0	40	0.05	0.20	0.50	0.5	1.00	2.000	10.000
SMD0603-010	1	15.0	40	0.10	0.30	0.50	0.5	1.00	0.900	6.000
SMD0603-020	2	9.0	40	0.20	0.50	0.50	1.0	0.60	0.550	3.500
SMD0603-025	2	9.0	40	0.25	0.55	0.50	8.0	0.08	0.500	3.000
SMD0603-035	3	6.0	40	0.35	0.75	0.50	8.0	0.10	0.200	1.400
SMD0603-050	5	6.0	40	0.50	1.00	0.50	8.0	0.10	0.100	0.800
SMD0603-075	7	6.0	40	0.75	1.40	0.50	8.0	0.10	0.060	0.450

Order Information**Packaging**

SMD0603	010	Tape & Reel Quantity
Product name	Hold	Max
Size 1508 mm / 0603 mils	Current	voltage
SMD: surface mount device	0.10A	5,000 pcs/reel

Recognition:

UL Approved.

E201504/E319079

