

Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SMD0603series
 DOCUMENT: QR0429
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 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:

Part Identification
 1= 010

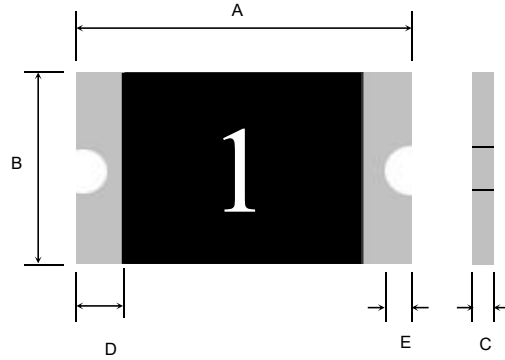


TABLE I. DIMENSIONS:

Model	Marking	A		B		C		D
		Min.	Max.	Min.	Max.	Min.	Max.	Min.
SMD0603-004	X	1.45	1.85	0.65	1.05	0.40	1.00	0.15
SMD0603-005	V	1.45	1.85	0.65	1.05	0.40	1.00	0.15
SMD0603-010	1	1.45	1.85	0.65	1.05	0.40	1.00	0.15
SMD0603-020	2	1.45	1.85	0.65	1.05	0.40	1.00	0.15
SMD0603-025	2	1.45	1.85	0.65	1.05	0.40	1.00	0.15
SMD0603-035	3	1.45	1.85	0.65	1.05	0.40	1.00	0.15
SMD0603-050	5	1.45	1.85	0.65	1.05	0.50	1.10	0.15
SMD0603-075	7	1.45	1.85	0.65	1.05	0.50	1.10	0.15

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		Agency Approval	
							Current (A)	Time (Sec)	R _i min (Ω)	R ₁ max (Ω)	UL	TUV
SMD0603-004	X	24.0	40	0.04	0.12	0.50	0.2	1.00	6.000	40.000		
SMD0603-005	V	15.0	40	0.05	0.20	0.50	0.5	1.00	2.000	25.000	II	
SMD0603-005	V	24.0	40	0.05	0.20	0.50	0.5	1.00	2.000	25.000	II	
SMD0603-010	1	15.0	40	0.10	0.30	0.50	0.5	1.00	0.900	6.000	II	
SMD0603-010	1	24.0	40	0.10	0.30	0.50	0.5	1.00	0.900	10.000	II	
SMD0603-020	2	9.0	40	0.20	0.50	0.50	1.0	0.60	0.550	3.500	II	
SMD0603-025	2	9.0	40	0.25	0.55	0.50	8.0	0.08	0.500	3.000	II	
SMD0603-035	3	6.0	40	0.35	0.75	0.50	8.0	0.10	0.200	1.400	II	
SMD0603-050	5	6.0	40	0.50	1.00	0.50	8.0	0.10	0.100	0.800	II	
SMD0603-075	7	6.0	40	0.75	1.40	0.50	8.0	0.10	0.060	0.450	II	

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: SMD0603-005-010-020-025-035--050-075-100 UL Approved.

E201504/E319079



2015/863/EU



EN14582

