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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SMD0805 series
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2022-12-19
 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

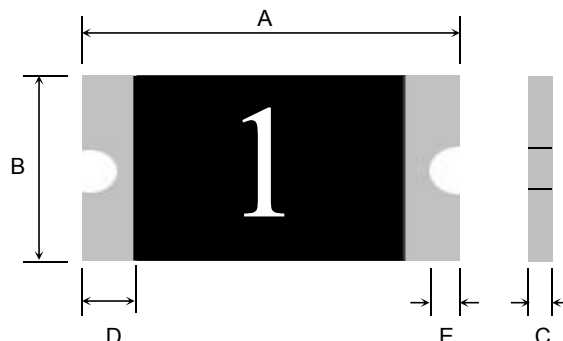


TABLE I. DIMENSIONS:

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SMD0805-002	N	1.90	2.20	1.20	1.50	0.60	1.30	0.20	0.10
SMD0805-003	T	1.90	2.20	1.20	1.50	0.50	1.30	0.20	0.10
SMD0805-005	V	1.90	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-005-24V	V	1.90	2.20	1.20	1.50	0.60	1.30	0.20	0.10
SMD0805-005-33V	V	1.90	2.20	1.20	1.50	0.60	1.50	0.20	0.10
SMD0805-005-60V	V	1.90	2.20	1.20	1.50	0.60	1.50	0.20	0.10
SMD0805-010	1	1.90	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-010-24V	1	1.90	2.20	1.20	1.50	0.60	1.30	0.20	0.10
SMD0805-010-33V	1	1.90	2.20	1.20	1.50	0.60	1.50	0.20	0.10
SMD0805-010-60V	1	1.90	2.20	1.20	1.50	0.60	1.50	0.20	0.10
SMD0805-020	2	1.90	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-020-13.2V	2	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-020-16V	2	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-025	2	1.90	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-025-13.2V	2	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-025-16V	2	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-035	3	1.90	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-035-12V	3	1.90	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-035-13.2V	3	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-035-16V	3	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-050	5	1.90	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-050-12V	5	1.90	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-050-13.2V	5	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-050-16V	5	1.90	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-075	7	1.90	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-100	0	1.90	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-110	0	1.90	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-125	12	1.90	2.20	1.20	1.50	0.50	1.20	0.20	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		Agency Approval	
							Current (A)	Time (Sec)	R _{Imin} (Ω)	R _{Imax} (Ω)	UL	TUV
SMD0805-002-60V	N	60	40	0.02	0.06	0.5	0.2	0.50	12.000	70.000		
SMD0805-003	T	30	40	0.03	0.10	0.5	0.2	1.00	6.000	50.000		
SMD0805-003-60V	T	60	40	0.03	0.10	0.5	0.2	1.00	6.000	50.000		
SMD0805-005	V	15	100	0.05	0.20	0.5	0.5	1.50	2.000	10.000	√	

SMD0805-005-24V	V	24	100	0.05	0.20	0.5	0.5	1.50	2.000	10.000	✓	
SMD0805-005-33V	V	33	100	0.05	0.20	0.5	0.5	1.50	2.000	10.000	✓	
SMD0805-005-60V	V	60	100	0.05	0.20	0.5	0.5	1.50	2.000	10.000	✓	
SMD0805-010	1	15	100	0.10	0.30	0.5	0.5	1.50	1.000	6.000	✓	
SMD0805-010-24V	1	24	100	0.10	0.30	0.5	0.5	1.50	1.000	6.000	✓	
SMD0805-010-33V	1	33	100	0.10	0.30	0.5	0.5	1.50	1.000	6.000	✓	
SMD0805-010-60V	1	60	100	0.10	0.30	0.5	0.5	1.50	1.000	6.000	✓	
SMD0805-020	2	9	100	0.20	0.50	0.5	8.0	0.02	0.650	3.500	✓	
SMD0805-020-13.2V	2	13.2	100	0.20	0.50	0.5	8.0	0.02	0.650	3.500		
SMD0805-020-16V	2	16	100	0.20	0.50	0.5	8.0	0.02	0.650	3.500		
SMD0805-025	2	9	100	0.25	0.55	0.5	8.0	0.02	0.600	3.000		
SMD0805-025-13.2V	2	13.2	100	0.25	0.55	0.5	8.0	0.02	0.600	3.000		
SMD0805-025-16V	2	16	100	0.25	0.55	0.5	8.0	0.02	0.600	3.000		
SMD0805-035	3	6	100	0.35	0.75	0.5	8.0	0.10	0.250	1.200	✓	
SMD0805-035-12V	3	12	100	0.35	0.75	0.5	8.0	0.10	0.250	1.200		
SMD0805-035-13.2V	3	13.2	100	0.35	0.75	0.5	8.0	0.10	0.250	1.200		
SMD0805-035-16V	3	16	100	0.35	0.75	0.5	8.0	0.10	0.250	1.200		
SMD0805-050	5	6	100	0.50	1.00	0.5	8.0	0.10	0.150	0.850	✓	
SMD0805-050-12V	5	12	100	0.50	1.00	0.5	8.0	0.10	0.150	0.850	✓	
SMD0805-050-13.2V	5	13.2	100	0.50	1.00	0.5	8.0	0.10	0.150	0.850	✓	
SMD0805-050-16V	5	16	100	0.50	1.00	0.5	8.0	0.10	0.150	0.850	✓	
SMD0805-075	7	6	40	0.75	1.50	0.6	8.0	0.20	0.090	0.385	✓	
SMD0805-100	0	6	100	1.00	1.95	0.6	8.0	0.30	0.060	0.230	✓	✓
SMD0805-110	0	6	100	1.10	2.20	0.6	8.0	0.30	0.060	0.210	✓	
SMD0805-125	12	6	100	1.25	2.50	1.5	8.0	0.60	0.030	0.140	✓	

Order Information

Packaging

SMD0805		010		Tape & Reel Quantity	
Product name	Hold	Max	002、003、005、010、020、035、050 5,000 pcs/reel		
Size 2012 mm / 0805 mils	Current	voltage	075、100、110、125 4,000 pcs/reel		
SMD: surface mount device	0.10A				

Recognition:

SMD0805-005~010~020~035~050~075~100~110 : UL Approved.

E201504/E319079



SMD0805-100 :TÜV, Approved.

R 50141892:

2015/863/EU

EN14582

