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**Techfuse**  
**PTC Devices**  
**Resettable Fuse**

PRODUCT: SMD0805 series  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
 REV DATE: 2011-3-11  
 PAGE NO.: 1 of 1

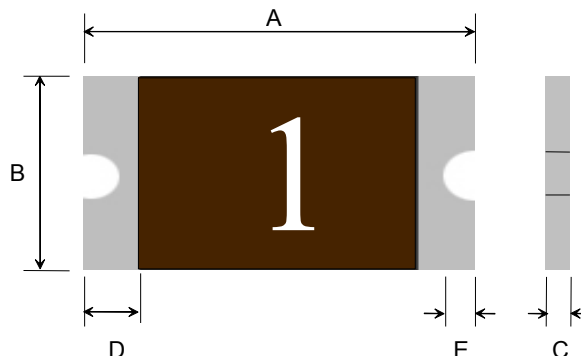
# Specification Sheet

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.
SMD0805-010	1	2.00	2.20	1.20	1.50	0.50	1.00	0.20	0.10
SMD0805-020	2	2.00	2.20	1.20	1.50	0.45	1.00	0.20	0.10
SMD0805-020-24V	2	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-035	3	2.00	2.20	1.20	1.50	0.45	1.00	0.20	0.10
SMD0805-050	5	2.00	2.20	1.20	1.50	0.30	0.60	0.20	0.10
SMD0805-075	7	2.00	2.20	1.20	1.50	0.40	1.00	0.20	0.10
SMD0805-100	0	2.00	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-100-12V	0	2.00	2.20	1.20	1.50	0.50	1.10	0.20	0.10
SMD0805-110	0	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10
SMD0805-125	12	2.00	2.20	1.20	1.50	0.50	1.20	0.20	0.10

Unit:mm

**TABLE II. PERFORMANCE RATINGS:**

Model	Marking	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	I <sub>hold</sub> @25°C (A)	I <sub>trip</sub> @25°C (A)	P <sub>d</sub> Typ. (W)	Maximum Time To Trip		Resistance		
							Current (A)	Time (Sec)	R <sub>i</sub> min (Ω)	R <sub>i</sub> typ (Ω)	R <sub>1</sub> max (Ω)
SMD0805-010	1	15.0	100	0.10	0.30	0.50	0.5	1.50	1.000	2.500	6.000
SMD0805-020	2	9.0	100	0.20	0.50	0.50	8.0	0.02	0.650	1.700	3.500
SMD0805-020-24V	2	9.0	100	0.20	0.50	0.50	8.0	0.02	0.650	1.700	3.500
SMD0805-035	3	6.0	100	0.35	0.75	0.50	8.0	0.10	0.250	0.650	1.200
SMD0805-050	5	6.0	100	0.50	1.00	0.50	8.0	0.10	0.150	0.420	0.850
SMD0805-075	7	6.0	40	0.75	1.50	0.60	8.0	0.20	0.090	0.185	0.385
SMD0805-100	0	6.0	100	1.00	1.95	0.60	8.0	0.30	0.060	0.120	0.230
SMD0805-100-12V	0	12.0	100	1.00	1.95	0.60	8.0	0.30	0.060	0.120	0.230
SMD0805-110	0	6.0	100	1.10	2.20	0.60	8.0	0.30	0.060	-	0.210
SMD0805-125	12	6.0	100	1.25	2.50	1.50	8.0	0.60	0.030	-	0.140

**Order Information**

**Packaging**

SMD0805		020	-24V	Tape & Reel Quantity	
Product name	Hold	Max	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	0.20A				

Recognition: SMD0805-020~110 : UL Approved.  
 SMD0805-010, 125 : UL Pending.

E201504/E319079 SMD0805-100 :TÜV, Approved. R50141892

