

**SEA&LAND ELECTRONIC CORP.**

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

PRODUCT: SL0805 series  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
 REV DATE: 2023-6-9  
 PAGE NO.: 1 of 1

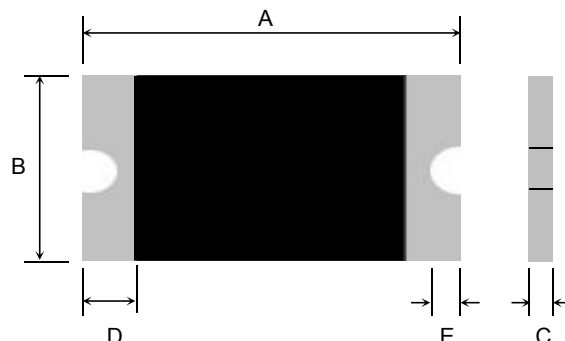
# Specification Sheet

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



**TABLE I. DIMENSIONS:**

Model	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SL0805075	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805075-8V	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805075-12V	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805075-16V	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805110	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805110-8V	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805110-12V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805110-16V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805125	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805125-8V	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805125-12V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805125-16V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805150	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805150-8V	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805150-12V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805150-16V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805175	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805175-8V	1.9	2.5	1.2	1.8	0.4	0.8	0.2	--	0.1	--
SL0805175-12V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805175-16V	1.9	2.5	1.2	1.8	0.4	1.0	0.2	--	0.1	--
SL0805200	1.9	2.5	1.2	1.8	0.5	1.0	0.2	--	0.1	--
SL0805200-8V	1.9	2.5	1.2	1.8	0.5	1.0	0.2	--	0.1	--
SL0805200-12V	1.9	2.5	1.2	1.8	0.5	1.2	0.2	--	0.1	--
SL0805200-16V	1.9	2.5	1.2	1.8	0.5	1.2	0.2	--	0.1	--
SL0805260	1.9	2.5	1.2	1.8	0.5	1.0	0.2	--	0.1	--
SL0805260-8V	1.9	2.5	1.2	1.8	0.5	1.0	0.2	--	0.1	--
SL0805260-12V	1.9	2.5	1.2	1.8	0.5	1.2	0.2	--	0.1	--
SL0805260-16V	1.9	2.5	1.2	1.8	0.5	1.2	0.2	--	0.1	--
SL0805300	1.9	2.5	1.2	1.8	0.5	1.0	0.2	--	0.1	--
SL0805300-8V	1.9	2.5	1.2	1.8	0.5	1.0	0.2	--	0.1	--
SL0805300-12V	1.9	2.5	1.2	1.8	0.5	1.2	0.2	--	0.1	--
SL0805300-16V	1.9	2.5	1.2	1.8	0.5	1.2	0.2	--	0.1	--
SL0805350	1.9	2.5	1.2	1.8	0.6	1.2	0.2	--	0.1	--
SL0805350-8V	1.9	2.5	1.2	1.8	0.6	1.2	0.2	--	0.1	--
SL0805350-12V	1.9	2.5	1.2	1.8	0.6	1.3	0.2	--	0.1	--
SL0805350-16V	1.9	2.5	1.2	1.8	0.6	1.3	0.2	--	0.1	--
SL0805380	1.9	2.5	1.2	1.8	0.6	1.2	0.2	--	0.1	--
SL0805380	1.9	2.5	1.2	1.8	0.6	1.2	0.2	--	0.1	--
SL0805380	1.9	2.5	1.2	1.8	0.6	1.3	0.2	--	0.1	--
SL0805380	1.9	2.5	1.2	1.8	0.6	1.3	0.2	--	0.1	--

SL0805400	1.9	2.5	1.2	1.8	0.6	1.2	0.2	--	0.1	--
SL0805450	1.9	2.5	1.2	1.8	0.6	1.2	0.2	--	0.1	--
SL0805500	1.9	2.5	1.2	1.8	0.6	1.3	0.2	--	0.1	--
SL0805550	1.9	2.5	1.2	1.8	0.6	1.3	0.2	--	0.1	--
SL0805600	1.9	2.5	1.2	1.8	0.6	1.3	0.2	--	0.1	--
SL0805650	1.9	2.5	1.2	1.8	0.7	1.3	0.2	--	0.1	--
SL0805700	1.9	2.5	1.2	1.8	0.8	1.4	0.2	--	0.1	--
SL0805750	1.9	2.5	1.2	1.8	0.8	1.4	0.2	--	0.1	--
SL0805800	1.9	2.5	1.2	1.8	0.8	1.4	0.2	--	0.1	--

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		Agency Approval	
							Current (A)	Time (Sec)	R <sub>i_min</sub> (Ω)	R <sub>1_max</sub> (Ω)	UL	TUV
SL0805075		6	50	0.75	1.50	1.0	8.0	0.3	0.0090	0.1500	✓	
SL0805075-8V		8	50	0.75	1.50	1.0	8.0	0.3	0.0090	0.1500	✓	
SL0805075-12V		12	50	0.75	1.50	1.0	8.0	0.3	0.0090	0.1500	✓	
SL0805075-16V		16	50	0.75	1.50	1.0	8.0	0.3	0.0090	0.1500	✓	
SL0805110		6	50	1.10	2.20	1.0	8.0	0.5	0.0080	0.1200	✓	
SL0805110-8V		8	50	1.10	2.20	1.0	8.0	0.5	0.0080	0.1200	✓	
SL0805110-12V		12	50	1.10	2.20	1.0	8.0	0.5	0.0080	0.1200	✓	
SL0805110-16V		16	50	1.10	2.20	1.0	8.0	0.5	0.0080	0.1200	✓	
SL0805125		6	50	1.25	2.50	1.0	8.0	1.0	0.0070	0.0850	✓	
SL0805125-8V		8	50	1.25	2.50	1.0	8.0	1.0	0.0070	0.0850	✓	
SL0805125-12V		12	50	1.25	2.50	1.0	8.0	1.0	0.0070	0.0850	✓	
SL0805125-16V		16	50	1.25	2.50	1.0	8.0	1.0	0.0070	0.0850	✓	
SL0805150		6	50	1.50	3.00	1.0	8.0	1.0	0.0060	0.0650	✓	
SL0805150-8V		8	50	1.50	3.00	1.0	8.0	1.0	0.0060	0.0650	✓	
SL0805150-12V		12	50	1.50	3.00	1.0	8.0	1.0	0.0060	0.0650	✓	
SL0805150-16V		16	50	1.50	3.00	1.0	8.0	1.0	0.0060	0.0650	✓	
SL0805175		6	50	1.75	3.50	1.0	8.0	5.0	0.0050	0.0550	✓	
SL0805175-8V		8	50	1.75	3.50	1.0	8.0	5.0	0.0050	0.0550	✓	
SL0805175-12V		12	50	1.75	3.50	1.0	8.0	5.0	0.0050	0.0550	✓	
SL0805175-16V		16	50	1.75	3.50	1.0	8.0	5.0	0.0050	0.0550	✓	
SL0805200		6	50	2.00	4.00	1.0	8.0	5.0	0.0040	0.0450	✓	
SL0805200-8V		8	50	2.00	4.00	1.0	8.0	5.0	0.0040	0.0450	✓	
SL0805200-12V		12	50	2.00	4.00	1.0	8.0	5.0	0.0040	0.0450	✓	
SL0805200-16V		16	50	2.00	4.00	1.0	8.0	5.0	0.0040	0.0450	✓	
SL0805260		6	50	2.60	5.20	1.0	12.0	5.0	0.0030	0.0350	✓	
SL0805260-8V		8	50	2.60	5.20	1.0	12.0	5.0	0.0030	0.0350	✓	
SL0805260-12V		12	50	2.60	5.20	1.0	12.0	5.0	0.0030	0.0350	✓	
SL0805260-16V		16	50	2.60	5.20	1.0	12.0	5.0	0.0030	0.0350	✓	
SL0805300		6	50	3.00	6.00	1.0	12.0	5.0	0.0030	0.0300	✓	
SL0805300-8V		8	50	3.00	6.00	1.0	12.0	5.0	0.0030	0.0300	✓	
SL0805300-12V		12	50	3.00	6.00	1.0	12.0	5.0	0.0030	0.0300	✓	
SL0805300-16V		16	50	3.00	6.00	1.0	12.0	5.0	0.0030	0.0300	✓	
SL0805350		6	50	3.50	7.00	1.0	12.0	5.0	0.0020	0.0250	✓	
SL0805350-8V		8	50	3.50	7.00	1.0	12.0	5.0	0.0020	0.0250	✓	
SL0805350-12V		12	50	3.50	7.00	1.0	12.0	5.0	0.0020	0.0250	✓	
SL0805350-16V		16	50	3.50	7.00	1.0	12.0	5.0	0.0020	0.0250	✓	
SL0805380		6	50	3.80	7.60	1.0	12.0	5.0	0.0020	0.0200	✓	
SL0805380-8V		8	50	3.80	7.60	1.0	12.0	5.0	0.0020	0.0200	✓	
SL0805380-12V		12	50	3.80	7.60	1.0	12.0	5.0	0.0020	0.0200	✓	
SL0805380-16V		16	50	3.80	7.60	1.0	12.0	5.0	0.0020	0.0200	✓	
SL0805400		6	50	4.00	8.00	1.2	16.0	5.0	0.0010	0.0180		
SL0805450		6	50	4.50	9.00	1.2	16.0	5.0	0.0010	0.0150		

SL0805500		6	50	5.00	10.00	1.2	16.0	5.0	0.0010	0.0120		
SL0805550		6	50	5.50	11.00	1.5	16.0	5.0	0.0008	0.0110		
SL0805600		6	50	6.00	12.00	1.5	20.0	5.0	0.0008	0.0100		
SL0805650		6	50	6.50	13.00	1.5	20.0	5.0	0.0008	0.0090		
SL0805700		6	50	7.00	14.00	1.5	20.0	5.0	0.0005	0.0090		
SL0805750		6	50	7.50	15.00	1.5	20.0	5.0	0.0005	0.0080		
SL0805800		6	50	8.00	16.00	1.5	20.0	5.0	0.0005	0.0070		

**Order Information**

**Packaging**

SL0805		075	Tape & Reel Quantity	
Product name		Hold	SL0805075-SL0805300 4000pcs/reel	
Size 2012 mm / 0805 mils		Current	SL0805350-SL0805800 3000pcs/reel	
SL: surface mount device		0.10A		

Recognition: SL0805075~110~125~150~175~200~260~300  
~350~380: UL Approved.

E201504/E319080



2015/863/EU



EN14582

