

SEA&LAND ELECTRONIC CORP.

13F., No.120-10,

Sec. 3, Zhongshan Rd., Zhonghe Dist., New Taipei City 235,
Taiwan

Tel.: 886-2-8221-2567

Fax.: 886-2-2225-7268

Techfuse
PTC Devices
Resettable Fuse

PRODUCT: SL1812series

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ECN. NO.:

REV LETTER: A

REV DATE: 2023.1.6

PAGE NO.: 1 of 1

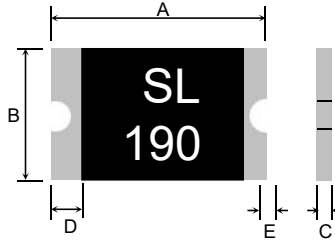
Specification Sheet

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.	Min.
SL1812190	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812190-12V	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812250	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812250-12V	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812260	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812260-12V	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812270	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812270-12V	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812300	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812300-12V	4.37	4.73	3.07	3.41	0.40	0.70	0.30	0.15
SL1812350	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812350-12V	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812370	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812370-12V	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812400	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812400-12V	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812450	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812450-12V	4.37	4.73	3.07	3.41	0.40	0.80	0.30	0.15
SL1812500	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812500-8V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812500-12V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812500-16V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812550	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812550-12V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812600	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812600-12V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812650	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812650-12V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812700	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812700-12V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812750	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL181275012V	4.37	4.73	3.07	3.41	0.45	1.10	0.30	0.15
SL1812800	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
SL181280012V	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
SL1812850	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
SL1812850-12V	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
SL1812900	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
SL181290012V	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
SL18121000	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15
SL18121000-12V	4.37	4.73	3.07	3.41	0.60	1.30	0.30	0.15

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 _{1max} (Ω)	UL	TUV
SL1812190	SL190	6	50	1.90	4.90	1.0	9.5	4.5	0.0030	0.0250		
SL1812190-12V	SL190	12	50	1.90	4.90	1.0	9.5	4.5	0.0030	0.0250		
SL1812250	SL250	6	50	2.50	6.00	1.0	13.0	2.0	0.0040	0.0200		
SL1812250-12V	SL250	12	50	2.50	6.00	1.0	13.0	2.0	0.0040	0.0200		
SL1812260	SL270	6	50	2.60	6.00	1.0	13.0	2.0	0.0030	0.0240		
SL1812260-12V	SL270	12	50	2.60	6.00	1.0	13.0	2.0	0.0030	0.0240		
SL1812270	SL260	6	50	2.70	6.20	1.0	13.5	2.0	0.0030	0.0220		

SL1812270-12V	SL260	12	50	2.70	6.20	1.0	13.5	2.0	0.0030	0.0220		
SL1812300	SL300	6	50	3.00	7.00	1.0	16.0	5.0	0.0030	0.0210		
SL1812300-12V	SL300	12	50	3.00	7.00	1.0	16.0	5.0	0.0030	0.0210		
SL1812350	SL350	6	50	3.50	7.00	1.0	16.5	5.0	0.0030	0.0200		
SL1812350-12V	SL350	12	50	3.50	7.00	1.0	16.5	5.0	0.0030	0.0200		
SL1812370	SL350	6	50	3.70	7.50	1.0	18.5	2.0	0.0030	0.0180		
SL1812370-12V	SL350	12	50	3.70	7.50	1.0	18.5	2.0	0.0030	0.0180		
SL1812400	SL400	6	50	4.00	8.00	1.5	20.0	5.0	0.0040	0.0140		
SL1812400-12V	SL400	12	50	4.00	8.00	1.5	20.0	5.0	0.0040	0.0140		
SL1812450	SL450	6	50	4.50	9.00	1.5	22.5	5.0	0.0040	0.0120		
SL1812450-12V	SL450	12	50	4.50	9.00	1.5	22.5	5.0	0.0040	0.0120		
SL1812500	SL500	6	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0120	✓	
SL1812500-8V	SL500	8	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0120	✓	
SL1812500-12V	SL500	12	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0120	✓	
SL1812500-16V	SL500	16	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0120	✓	
SL1812550	SL550	6	50	5.50	11.00	1.5	27.5	5.0	0.0020	0.0100		
SL1812550-12V	SL550	12	50	5.50	11.00	1.5	27.5	5.0	0.0020	0.0100		
SL1812600	SL600	6	50	6.00	12.00	1.5	30.0	5.0	0.0010	0.0100		
SL1812600-12V	SL600	12	50	6.00	12.00	1.5	30.0	5.0	0.0010	0.0100		
SL1812650	SL650	6	50	6.50	13.00	1.5	32.5	5.0	0.0010	0.0090		
SL1812650-12V	SL650	12	50	6.50	13.00	1.5	32.5	5.0	0.0010	0.0090		
SL1812700	SL700	6	50	7.00	14.00	1.5	35.0	5.0	0.0010	0.0080		
SL1812700-12V	SL700	12	50	7.00	14.00	1.5	35.0	5.0	0.0010	0.0080		
SL1812750	SL750	6	50	7.50	15.00	1.5	37.5	5.0	0.0005	0.0060		
SL181275012V	SL750	12	50	7.50	15.00	1.5	37.5	5.0	0.0005	0.0060		
SL1812800	SL800	6	50	8.00	16.00	1.5	40.0	5.0	0.0005	0.0070		
SL181280012V	SL800	12	50	8.00	16.00	1.5	40.0	5.0	0.0005	0.0070		
SL1812850	SL850	6	50	8.50	17.00	1.5	42.5	5.0	0.0005	0.0060		
SL1812850-12V	SL850	12	50	8.50	17.00	1.5	42.5	5.0	0.0005	0.0060		
SL1812900	SL900	6	50	9.00	18.00	1.5	45.0	5.0	0.0005	0.0050		
SL181290012V	SL900	12	50	9.00	18.00	1.5	45.0	5.0	0.0005	0.0050		
SL18121000	SLA00	6	50	10.00	20.00	2.0	50.0	5.0	0.0005	0.0030		
SL18121000-12V	SLA00	12	50	10.00	20.00	2.0	50.0	5.0	0.0005	0.0030		

Order Information
Packaging

SL1812	190	Tape & Reel Quantity	
Product name	Hold	Max	1,500 pcs/reel
Size 4532 mm / 1812 mils	Current	voltage	
SL: surface mount device	0.50A		

Recognition:

E201504/E319079



2015/863/EU



EN14582

