

SEA&LAND ELECTRONIC CORP.		PRODUCT:	SL1812series
13F., No.120-10,		DOCUMENT:	QR0429
Sec. 3, Zhongshan Rd., Zhonghe Dist., New Taipei City 235,		ECN. NO.:	
Taiwan		REV LETTER:	A
Tel.: 886-2-8221-2567		REV DATE:	2025/10/9
Fax.: 886-2-2225-7268		PAGE NO.:	1 of 1
Techfuse PTC Devices Resettable Fuse			

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

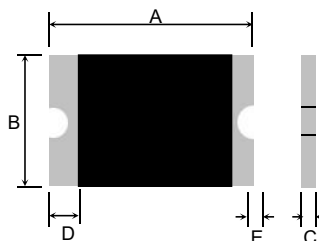


TABLE I. DIMENSIONS:

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	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	6	50	1.90	4.90	1.0	9.5	4.5	0.0030	0.0250		
SL1812190-12V	12	50	1.90	4.90	1.0	9.5	4.5	0.0030	0.0250		
SL1812250	6	50	2.50	6.00	1.0	13.0	2.0	0.0040	0.0200		
SL1812250-12V	12	50	2.50	6.00	1.0	13.0	2.0	0.0040	0.0200		
SL1812260	6	50	2.60	6.00	1.0	13.0	2.0	0.0030	0.0240		
SL1812260-12V	12	50	2.60	6.00	1.0	13.0	2.0	0.0030	0.0240		
SL1812270	6	50	2.70	6.20	1.0	13.5	2.0	0.0030	0.0220		

SL1812270-12V	12	50	2.70	6.20	1.0	13.5	2.0	0.0030	0.0220		
SL1812300	6	50	3.00	7.00	1.0	8.0	5.0	0.0030	0.0210		
SL1812300-12V	12	50	3.00	7.00	1.0	8.0	5.0	0.0030	0.0210		
SL1812350	6	50	3.50	7.00	1.0	8.0	5.0	0.0030	0.0200		
SL1812350-12V	12	50	3.50	7.00	1.0	8.0	5.0	0.0030	0.0200		
SL1812370	6	50	3.70	7.50	1.0	18.5	2.0	0.0030	0.0180		
SL1812370-12V	12	50	3.70	7.50	1.0	18.5	2.0	0.0030	0.0180		
SL1812400	6	50	4.00	8.00	1.5	20.0	5.0	0.0040	0.0140		
SL1812400-12V	12	50	4.00	8.00	1.5	20.0	5.0	0.0040	0.0140		
SL1812450	6	50	4.50	9.00	1.5	22.5	5.0	0.0040	0.0130		
SL1812450-12V	12	50	4.50	9.00	1.5	22.5	5.0	0.0040	0.0130		
SL1812500	6	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0130	✓	
SL1812500-8V	8	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0130	✓	
SL1812500-12V	12	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0130	✓	
SL1812500-16V	16	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0130	✓	
SL1812550	6	50	5.50	11.00	1.5	27.5	5.0	0.0020	0.0120		
SL1812550-12V	12	50	5.50	11.00	1.5	27.5	5.0	0.0020	0.0120		
SL1812600	6	50	6.00	12.00	1.5	30.0	5.0	0.0010	0.0120		
SL1812600-12V	12	50	6.00	12.00	1.5	30.0	5.0	0.0010	0.0120		
SL1812650	6	50	6.50	13.00	1.5	32.5	5.0	0.0010	0.0110		
SL1812650-12V	12	50	6.50	13.00	1.5	32.5	5.0	0.0010	0.0110		
SL1812700	6	50	7.00	14.00	1.5	35.0	5.0	0.0010	0.0110		
SL1812700-12V	12	50	7.00	14.00	1.5	35.0	5.0	0.0010	0.0110		
SL1812750	6	50	7.50	15.00	1.5	37.5	5.0	0.0005	0.0100		
SL181275012V	12	50	7.50	15.00	1.5	37.5	5.0	0.0005	0.0100		
SL1812800	6	50	8.00	16.00	1.5	40.0	5.0	0.0005	0.0100		
SL181280012V	12	50	8.00	16.00	1.5	40.0	5.0	0.0005	0.0100		
SL1812850	6	50	8.50	17.00	1.5	42.5	5.0	0.0005	0.0090		
SL1812850-12V	12	50	8.50	17.00	1.5	42.5	5.0	0.0005	0.0090		
SL1812900	6	50	9.00	18.00	1.5	45.0	5.0	0.0005	0.0090		
SL181290012V	12	50	9.00	18.00	1.5	45.0	5.0	0.0005	0.0090		
SL18121000	6	50	10.00	20.00	2.0	50.0	5.0	0.0005	0.0080		
SL18121000-12V	12	50	10.00	20.00	2.0	50.0	5.0	0.0005	0.0080		

Order Information

Packaging

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

Recognition:

E201504/E319079



2015/863/EU



EN14582

