

SEA&LAND ELECTRONIC CORP.

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Techfuse
PTC Devices
Resettable Fuse

PRODUCT: SL1210 series
DOCUMENT: QR0429
ECN. NO.:
REV LETTER:
REV DATE: 2025-2-20
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

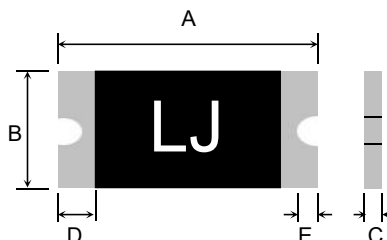


TABLE I. DIMENSIONS:

Model	Marking	A		B		C		D	E
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SL1210150	LJ	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210175	LJ	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210190	LK	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210200	LK	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210200-8V	LK	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210200-12V	LK	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210200-16V	LK	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210210	LK	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210230	LA	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210250	LB	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210250-8V	LB	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210250-12V	LB	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210250-16V	LB	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210260	LB	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210300	LC	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210300-8V	LC	3.00	3.50	2.35	2.85	0.40	0.80	0.3	0.1
SL1210300-12V	LC	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210300-16V	LC	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210350	LD	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210350-8V	LD	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210350-12V	LD	3.00	3.50	2.35	2.85	0.50	1.10	0.3	0.1
SL1210350-16V	LD	3.00	3.50	2.35	2.85	0.50	1.10	0.3	0.1
SL1210380	LE	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210380-8V	LE	3.00	3.50	2.35	2.85	0.40	1.00	0.3	0.1
SL1210380-12V	LE	3.00	3.50	2.35	2.85	0.50	1.10	0.3	0.1
SL1210380-16V	LE	3.00	3.50	2.35	2.85	0.50	1.10	0.3	0.1
SL1210400	LE	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210400-8V	LE	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210400-12V	LE	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210400-16V	LE	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210450	LF	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210450-8V	LF	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210450-12V	LF	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210450-16V	LF	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210500	LG	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210500-8V	LG	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210500-12V	LG	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210500-16V	LG	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210550	LG	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210550-8V	LG	3.00	3.50	2.35	2.85	0.50	1.00	0.3	0.1
SL1210550-12V	LG	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210550-16V	LG	3.00	3.50	2.35	2.85	0.50	1.20	0.3	0.1
SL1210600	LP	3.00	3.50	2.35	2.85	0.50	1.10	0.3	0.1

SL1210600-8V	LP	3.00	3.50	2.35	2.85	0.50	1.10	0.3	0.1
SL1210600-12V	LP	3.00	3.50	2.35	2.85	0.60	1.40	0.3	0.1
SL1210600-16V	LP	3.00	3.50	2.35	2.85	0.60	1.40	0.3	0.1
SL1210650	LP	3.00	3.50	2.35	2.85	0.60	1.20	0.3	0.1
SL1210650-8V	LP	3.00	3.50	2.35	2.85	0.60	1.20	0.3	0.1
SL1210650-12V	LP	3.00	3.50	2.35	2.85	0.60	1.40	0.3	0.1
SL1210650-16V	LP	3.00	3.50	2.35	2.85	0.60	1.40	0.3	0.1
SL1210700	LQ	3.00	3.50	2.35	2.85	0.60	1.20	0.3	0.1
SL1210700-8V	LQ	3.00	3.50	2.35	2.85	0.60	1.20	0.3	0.1
SL1210700-12V	LQ	3.00	3.50	2.35	2.85	0.60	1.40	0.3	0.1
SL1210750	LQ	3.00	3.50	2.35	2.85	0.60	1.20	0.3	0.1
SL1210800	LR	3.00	3.50	2.35	2.85	0.60	1.20	0.3	0.1
SL1210850	LR	3.00	3.50	2.35	2.85	0.60	1.20	0.3	0.1
SL1210900	LS	3.00	3.50	2.35	2.85	0.70	1.40	0.3	0.1
SL1210950	LS	3.00	3.50	2.35	2.85	0.70	1.40	0.3	0.1
SL12101000	LT	3.00	3.50	2.35	2.85	0.70	1.40	0.3	0.1
SL12101050	LT	3.00	3.50	2.35	2.85	0.80	1.60	0.3	0.1
SL12101100	LV	3.00	3.50	2.35	2.85	0.80	1.60	0.3	0.1
SL12101150	LV	3.00	3.50	2.35	2.85	0.80	1.60	0.3	0.1
SL12101200	LX	3.00	3.50	2.35	2.85	0.80	1.60	0.3	0.1

Unit:mm

TABLE II. PERFORMANCE RATINGS:

Model	Marking	V _{max} (V)	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)	Ri _{min} (Ω)	Ri _{typ} (Ω)	UL	TUV
SL1210150	LJ	6	50	1.50	4.50	1.2	8.0	0.5	0.0050	0.0500		
SL1210175	LJ	6	50	1.75	4.50	1.2	8.0	1.0	0.0050	0.0450		
SL1210190	LK	6	50	1.90	5.00	1.2	8.0	3.0	0.0050	0.0420		
SL1210200	LK	6	50	2.00	5.00	1.2	8.0	3.0	0.0040	0.0400	✓	
SL1210200-8V	LK	8	50	2.00	5.00	1.2	8.0	3.0	0.0040	0.0400	✓	
SL1210200-12V	LK	12	50	2.00	5.00	1.2	8.0	3.0	0.0040	0.0400	✓	
SL1210200-16V	LK	16	50	2.00	5.00	1.2	8.0	3.0	0.0040	0.0400	✓	
SL1210210	LK	6	50	2.10	5.00	1.2	8.0	5.0	0.0040	0.0350	✓	
SL1210230	LA	6	50	2.30	5.50	1.2	8.0	5.0	0.0050	0.0320		
SL1210250	LB	6	50	2.50	5.50	1.2	8.0	5.0	0.0030	0.0300	✓	
SL1210250-8V	LB	8	50	2.50	5.50	1.2	8.0	5.0	0.0030	0.0300	✓	
SL1210250-12V	LB	12	50	2.50	5.50	1.2	8.0	5.0	0.0030	0.0300	✓	
SL1210250-16V	LB	16	50	2.50	5.50	1.2	8.0	5.0	0.0030	0.0300	✓	
SL1210260	LB	6	50	2.60	6.00	1.2	12.0	5.0	0.0050	0.0280		
SL1210300	LC	6	50	3.00	6.00	1.2	12.0	5.0	0.0030	0.0260	✓	
SL1210300-8V	LC	8	50	3.00	6.00	1.2	12.0	5.0	0.0030	0.0260	✓	
SL1210300-12V	LC	12	50	3.00	6.00	1.2	12.0	5.0	0.0030	0.0260	✓	
SL1210300-16V	LC	16	50	3.00	6.00	1.2	12.0	5.0	0.0030	0.0260	✓	
SL1210350	LD	6	50	3.50	7.00	1.2	12.0	5.0	0.0020	0.0240	✓	
SL1210350-8V	LD	8	50	3.50	7.00	1.2	12.0	5.0	0.0020	0.0240	✓	
SL1210350-12V	LD	12	50	3.50	7.00	1.2	12.0	5.0	0.0020	0.0240	✓	
SL1210350-16V	LD	16	50	3.50	7.00	1.2	12.0	5.0	0.0020	0.0240	✓	
SL1210380	LE	6	50	3.80	7.60	1.5	12.0	5.0	0.0020	0.0200	✓	
SL1210380-8V	LE	8	50	3.80	7.60	1.5	12.0	5.0	0.0020	0.0200	✓	
SL1210380-12V	LE	12	50	3.80	7.60	1.5	12.0	5.0	0.0020	0.0200	✓	
SL1210380-16V	LE	16	50	3.80	7.60	1.5	12.0	5.0	0.0020	0.0200	✓	
SL1210400	LE	6	50	4.00	8.00	1.5	16.0	5.0	0.0010	0.0180	✓	
SL1210400-8V	LE	8	50	4.00	8.00	1.5	16.0	5.0	0.0010	0.0180	✓	
SL1210400-12V	LE	12	50	4.00	8.00	1.5	16.0	5.0	0.0010	0.0180	✓	
SL1210400-16V	LE	16	50	4.00	8.00	1.5	16.0	5.0	0.0010	0.0180	✓	
SL1210450	LF	6	50	4.50	9.00	1.5	16.0	5.0	0.0010	0.0140	✓	
SL1210450-8V	LF	8	50	4.50	9.00	1.5	16.0	5.0	0.0010	0.0140	✓	
SL1210450-12V	LF	12	50	4.50	9.00	1.5	16.0	5.0	0.0010	0.0140	✓	
SL1210450-16V	LF	16	50	4.50	9.00	1.5	16.0	5.0	0.0010	0.0140	✓	
SL1210500	LG	6	50	5.00	10.00	1.5	16.0	5.0	0.0010	0.0120	✓	
SL1210500-8V	LG	8	50	5.00	10.00	1.5	16.0	5.0	0.0010	0.0120	✓	
SL1210500-12V	LG	12	50	5.00	10.00	1.5	16.0	5.0	0.0010	0.0120	✓	

SL1210500-16V	LG	16	50	5.00	10.00	1.5	16.0	5.0	0.0010	0.0120	✓	
SL1210550	LG	6	50	5.50	11.00	1.5	20.0	5.0	0.0008	0.0100	✓	
SL1210550-8V	LG	8	50	5.50	11.00	1.5	20.0	5.0	0.0008	0.0100	✓	
SL1210550-12V	LG	12	50	5.50	11.00	1.5	20.0	5.0	0.0008	0.0100	✓	
SL1210550-16V	LG	16	50	5.50	11.00	1.5	20.0	5.0	0.0008	0.0100	✓	
SL1210600	LP	6	50	6.00	12.00	1.5	20.0	5.0	0.0008	0.0090	✓	
SL1210600-8V	LP	8	50	6.00	12.00	1.5	20.0	5.0	0.0008	0.0090	✓	
SL1210600-12V	LP	12	50	6.00	12.00	1.5	20.0	5.0	0.0008	0.0090	✓	
SL1210600-16V	LP	16	50	6.00	12.00	1.5	20.0	5.0	0.0008	0.0090	✓	
SL1210650	LP	6	50	6.50	13.00	1.5	20.0	5.0	0.0005	0.0080	✓	
SL1210650-8V	LP	8	50	6.50	13.00	1.5	20.0	5.0	0.0005	0.0080	✓	
SL1210650-12V	LP	12	50	6.50	13.00	1.5	20.0	5.0	0.0005	0.0080	✓	
SL1210650-16V	LP	16	50	6.50	13.00	1.5	20.0	5.0	0.0005	0.0080	✓	
SL1210700	LQ	6	50	7.00	14.00	1.6	20.0	5.0	0.0005	0.0080	✓	
SL1210700-8V	LQ	8	50	7.00	14.00	1.6	20.0	5.0	0.0005	0.0080	✓	
SL1210700-12V	LQ	12	50	7.00	14.00	1.6	20.0	5.0	0.0005	0.0080	✓	
SL1210700-16V	LQ	16	50	7.00	14.00	1.6	20.0	5.0	0.0005	0.0080	✓	
SL1210750	LQ	6	50	7.50	15.00	1.6	20.0	5.0	0.0005	0.0070		
SL1210800	LR	6	50	8.00	16.00	1.6	20.0	5.0	0.0004	0.0070		
SL1210850	LR	6	50	8.50	17.00	1.6	20.0	5.0	0.0004	0.0060		
SL1210900	LS	6	50	9.00	18.00	1.6	30.0	5.0	0.0003	0.0060		
SL1210950	LS	6	50	9.50	19.00	1.6	30.0	5.0	0.0002	0.0060		
SL12101000	LT	6	50	10.00	20.00	1.6	30.0	5.0	0.0002	0.0050		
SL12101050	LT	6	50	10.50	21.00	1.8	30.0	5.0	0.0002	0.0050		
SL12101100	LV	6	50	11.00	22.00	1.8	30.0	5.0	0.0001	0.0045		
SL12101150	LV	6	50	11.50	23.00	1.8	30.0	5.0	0.0001	0.0045		
SL12101200	LX	6	50	12.00	24.00	1.8	30.0	5.0	0.0001	0.0040		

Order Information

Packaging

SL1210	150	Tape & Reel Quantity	
Product name	Hold	SL1210150-SL1210500 4000pcs/reel	
Size 3225 mm / 1210 mils	Current	SL121550-SL12101200 3000pcs/reel	
SL: surface mount device	1.50A		

Recognition: SL1210200~250~300~350~400~450~500~ 550
600~650~700 UL Approved.

E201504/E319079



2015/863/EU



EN14582

