



1-Line Low Capacitance Bi-directional TVS Diode

Features

- 350W peak pulse power (8/20μs)
- Ultra low capacitance: 1pF typical
- Ultra low leakage: nA level
- Operating voltage:12V
- Low clamping voltage
- Protects one power line or data line
- RoHS Compliant

- Package: SOD-323
- Moisture Sensitivity: Level 1 per J-STD-020
- Case Material: "Green" Molding Compound
- Marking Information: See Below

■Maximum Ratings

PARAMETER	SYMBOL	VALUE	UNIT
Peak Pulse Power (8/20μs)	Ppk	350	W
Peak Pulse Current (8/20μs)	I _{PP}	14	A
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V _{ESD}	±30 ±30	KV
Operating Temperature Range	T _J	-55 to +125	
Storage Temperature Range	T _{stg}	-55 to +150	

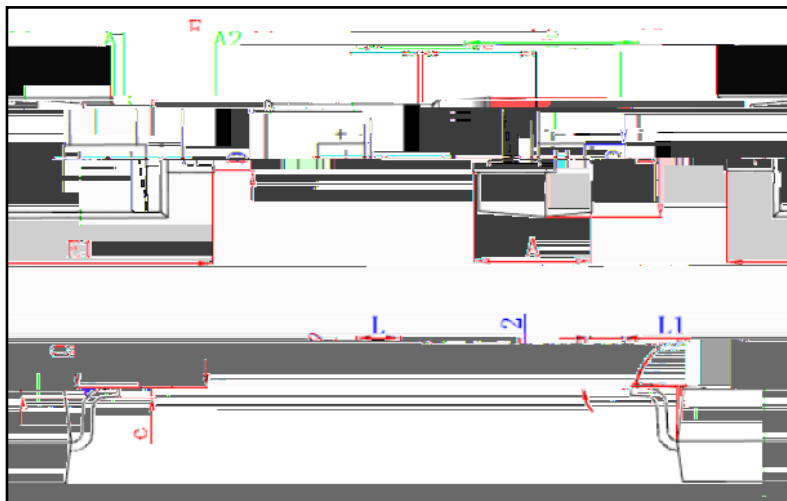
■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	CONDITIONS	MIN	TYP	MAX



ESDSL12VD3BA

■ Outline Dimensions



	1.000	A	
	0.100	A1	0.000
	0.900	A2	0.800
	0.400	b	0.250
	0.350		0.000
	1.200		1.400
	1.2000		1.0000
E1	2.500	2.700	
	0.4000 0.4000		
	0.4000 0.4000		
	8°	0	0°

■ Soldering Footprint

