



ESDSL12VD3BA

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

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Outline Dimensions



Symbol	Value	Symbol	Value
A	1.000	A	
A1	0.100	A1	0.000
A2	0.900	A2	0.800
b	0.400	b	0.250
D	1.400	D	1.200
E1	2.700	E1	2.500
θ	0°	θ	8°

Soldering Footprint



