

SLPESD3V3L1BA ~ SLPESD24VL1BA

ESD Protection Diode

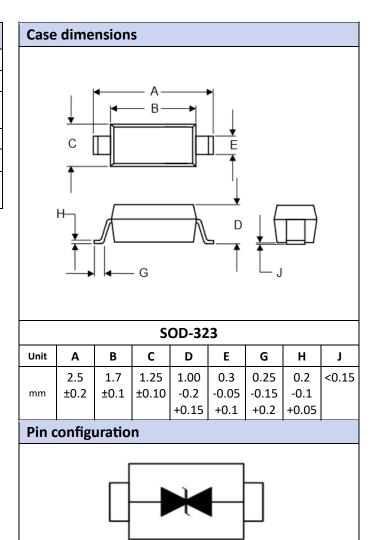
Primary characteristics				
Parameter	Symbol	Value	Unit	
Reverse working voltage	V_{RWM}	3.3 ~ 24	٧	
ESD per IEC 61000-4-2 (contact)	V _{ESD}	±8	kV	
ESD per IEC 61000-4-2 (air)	V _{ESD}	±15	kV	
Peak pulse power (8/20μs)	P _{PP}	350	W	
Junction capacitance (max.)	Cı	50 ~ 450	pF	

Features

- SOD-323 case for easy automatic insertion.
- Pb-free and RoHS compliant
- Protects one I/O line (bi-directional)
- Low clamping voltage
- Low leakage current
- Flammability rating: UL 94V-0
- High temperature soldering guaranteed: 260°C/10s
- MSL 1

Applications

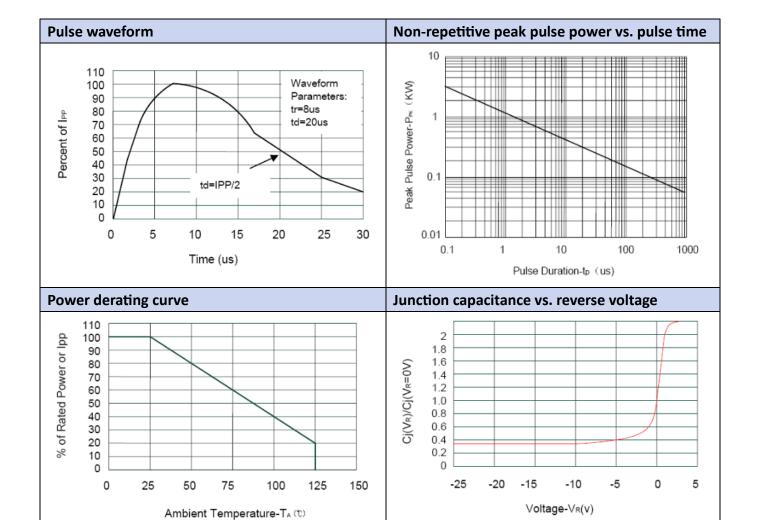
- Cell phone handsets and accessories
- Microprocessor based equipment
- Personal digital assistants (PDA's)
- Notebooks, desktops, and servers
- Portable instrumentation
- Networking and telecom
- Serial and parallel ports
- Peripherals



Maximum ratings (T _a = 25°C)					
Characteristic	Symbol	Value	Unit		
ESD per IEC 61000-4-2 (Air)		±15	kV		
ESD per IEC 61000-4-2 (Contact)	V _{ESD}	±8			
Peak pulse power (8/20μs)	P _{PP}	350	W		
Storage and operating temperature	T _{OPT} , T _{STG}	-55 ~ 150	°C		
Lead soldering temperature	TL	260 (10 sec.)	°C		

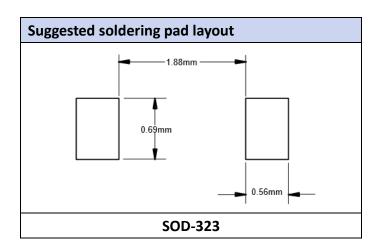


Electrical characteristics (T _a = 25°C)									
	Device	V _{RWM}	V _B	lτ	Vc @1.0A	V	'c	IR	Ст
Part number	marking	max. [V]	min. [V]	[mA]	max. [V]	max. [V]	@I [A]	max. [μA]	max. [pF]
SLPESD3V3L1BA	AB	3.3	4.0	1.0	7.5	13	20	40	450
SLPESD5V0L1BA	AC	5.0	6.0	1.0	9.8	18	17	10	200
SLPESD12VL1BA	AD	12	13.3	1.0	19	32	11	1.0	75
SLPESD15VL1BA	AE	15	16.7	1.0	24	38	10	1.0	68
SLPESD24VL1BA	AF	24	26.7	1.0	43	52	7.0	1.0	50





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Ordering information			
Part Number	Package	Shipping Quantity	
SLPESD3V3L1BA ~ SLPESD24VL1BA	SOD-323	3 000 pcs / 7" reel	

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