



DESCRIPTION

The SD Series is designed for applications requiring transient overvoltage protection capability. They are intended for use in voltage and ESD sensitive equipment such as computers, printers, business machines, communication systems, medical equipment and other applications. These devices are ideal for situations where board space is at a premium.

This series has been specifically designed to protect sensitive components which are connected to power, data and transmission lines from caused ESD(electrostatic overvoltage by discharge), CDE (Cable Discharge Events), and EFT (electrical fast transients).

ORDERING INFORMATION

♦ Package: SOD-323 ♦ Material: Halogen free ♦ Packing: Tape & Reel

♦ Quantity per reel: 3,000pcs

FEATURES

- ♦IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- ♦IEC61000-4-4 (EFT) 40A (5/50ns)
- ♦350 Watts Peak Pulse Power per (tp=8/20µs)
- ♦Protects one I/O line (unidirectional)
- ♦Low clamping voltage
- ♦ Working voltages : 3.3V to 36V
- ♦Low leakage current

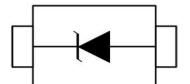
MACHANICAL DATA

- ♦SOD-323 package
- ♦ Flammability Rating: UL 94V-0
- ♦ Packaging: Tape and Reel
- ♦ High temperature soldering guaranted:260°C/10s
- ♦Reel size: 7 inch
- ♦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

PIN CONFIGURATION



PACKAGE OUTLINE



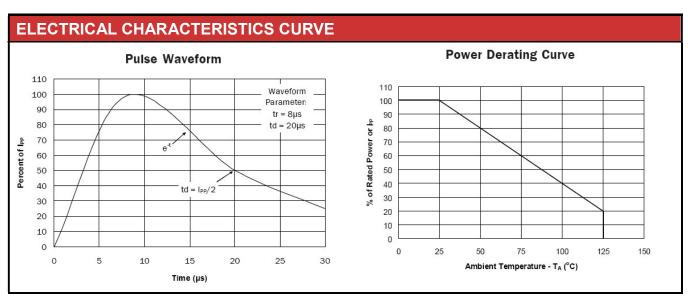


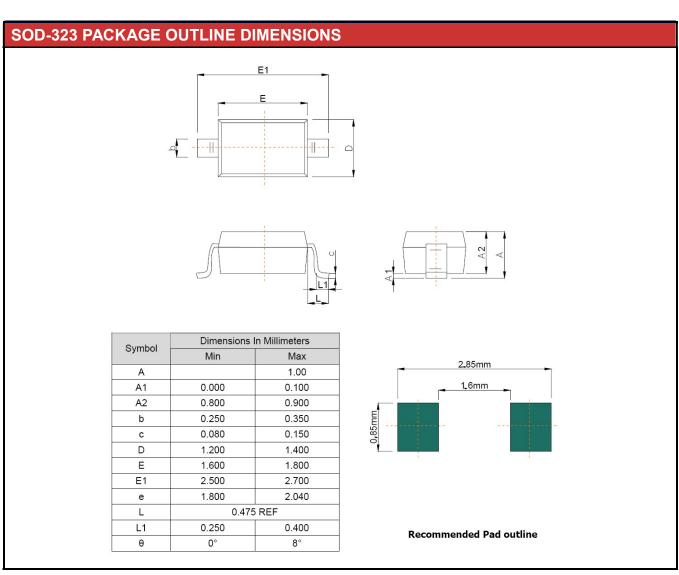


ABSOLUTE MAXIMUM RATING									
Symbol	Parameter	Value	Units						
V _{ESD}	ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	±15 ±8	kV						
P _{PP}	Peak Pulse Power (8/20μs)	350	W						
T _{OPT}	Operating Temperature	-55/+150	°C						
T _{STG}	Storage Temperature	-55/+150	°C						
T _L	Lead Soldering Temperature	260 (10 sec.)	°C						

ELECTRICAL CHARACTERISTICS (Tamb=25°C)												
PART NUMBER	DEVICE MARKING	V _{RWM} (V) (max.)	V _B (V) (min.)	I _T (mA)	V _C @1A (V) (max.)	(\ (\ (max.)		I _R (μΑ) (max.)	C _⊤ (pF) (max.)			
SD03	03W	3.3	4	1	6.5	14	20	40	450			
SD05	05W	5	6	1	9.8	18	17	10	300			
SD08	08W	8	8.5	1	10.5	24	15	1	240			
SD12	12W	12	13.3	1	19	32	11	1	130			
SD15	15W	15	16.7	1	24	38	10	1	120			
SD18	18W	18	20.0	1	29	45	9	1	100			
SD20	20W	20	22.3	1	35	50	8	1	90			
SD24	24W	24	26.7	1	43	52	7	1	80			
SD36	36W	36	40	1	60	75	5	1	60			







单击下面可查看定价,库存,交付和生命周期等信息

<u>>>KUU(永裕泰)</u>