

APPLICATIONS

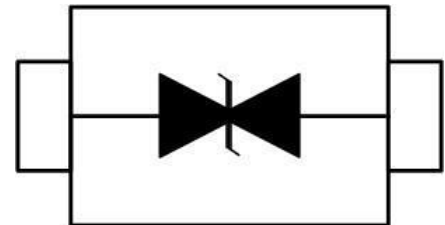
- Cell Phone Handsets and Accessories.
- Microprocessor based equipment.
- Personal Digital Assistants(PDA's)
- Notebooks,Desktops,and Servers.
- Portable Instrumentation.



SOD-323

MECHANICAL CHARACTERISTICS

- JEDEC SOD-323 Package.
- Molding Compound Flame mability Rating: UL 94V-O.
- Weight 5 Milligrams (Approximate).
- Quantity Per Reel: 3000pcs.
- Reel Size: 7inch.
- Lead Finish: Lead Free.



PIN CONFIGURATION

IEC COMPATIBILITY

- IEC61000-4-2(ESD) \pm 15KV(air), \pm 8KV(contact).
- IEC61000-4-4(EFT) 40A (5/50ns).
- IEC61000-4-5(Lightning) 24A (8/20 μ s).

FEATURES

- 320 Watts Peak Pulse Power per Line (tp=8/20 μ s).
- Protect one I/O lines.
- Low clamping voltage.
- Working voltages: 3.3V~36V
- Low leakage current.

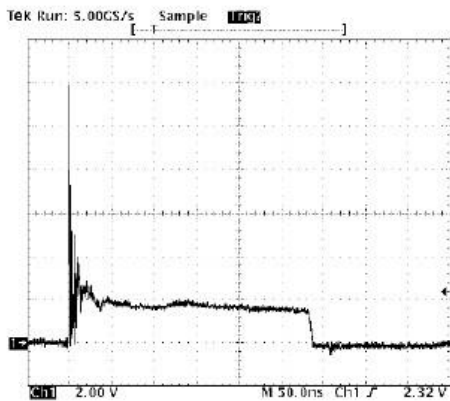
DEVICE CHARACTERISTICS

MAXIMUM RATINGS (@25°C Unless Otherwise Specified)			
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20 μ s waveform)	P _{PP}	320	Watts
Lead Soldering Temperature	T _L	260(10sec)	°C
Operating Temperature Range	T _J	-55 to + 150	°C
Storage Temperature Range	T _{STG}	-55 to + 150	°C

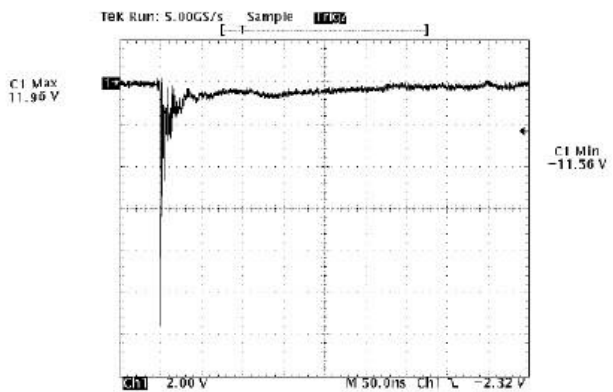
ELECTRICAL CHARACTERISTICS PER LINE (@25°C Unless Otherwise Specified)

PART NUMBER	VRWM	VB	IT	VC	VC		IR	CT
	(V) (max.)	(V) (min.)	(mA)	@5A (max.)	(max.)(@A)		(μ A) (max.)	(pF) (typ)
SD05C	5	6	1	9.8	18	17	10	200

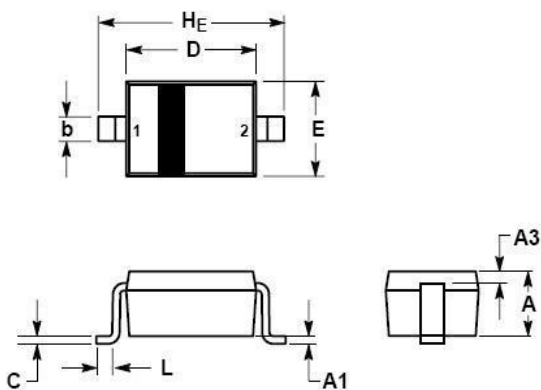
ESD Clamping
(8kV Contact per IEC 61000-4-2)



ESD Clamping
(-8kV Contact per IEC 61000-4-2)



SOD-323 PACKAGE OUTLINE & DIMENSIONS



DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.80	0.90	1.00	0.031	0.035	0.040
A1	0.00	0.05	0.10	0.000	0.002	0.004
A3	0.15REF			0.006REF		
b	0.25	0.32	0.4	0.010	0.012	0.016
C	0.089	0.12	0.177	0.003	0.005	0.007
D	1.60	1.70	1.80	0.062	0.066	0.070
E	1.15	1.25	1.35	0.045	0.049	0.053
L	0.08			0.003		
HE	2.30	2.50	2.70	0.090	0.098	0.105

SOLDERING FOOTPRINT

