

Product data sheet

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FEATURES

IEC61000-4-2 (ESD) ±30kV (Contact)

±30kV (Air)

- ♦ IEC61000-4-4 (EFT) 40A (5/50ηs)
- ♦ Protects one I/O line (bidirectional)
- ♦ Low clamping voltage
- ♦ Working voltages:
 - 3.3V,5V,8V,12V,15V,18V,20V,24V,36V
- ♦ Low leakage current

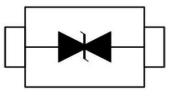
MACHANICAL DATA

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





SOD-323

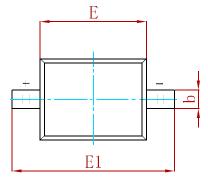


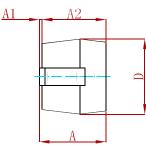
ABSOLUTE MAXIMUM RATING						
Symbol	Parameter	Value	Units			
v	ESD per IEC 61000-4-2 (Contact)	±30				
VESD	ESD per IEC 61000-4-2 (Air)	±30	kV			
P _{PP}	Peak Pulse Power (8/20µs)	350	W			
T _{OPT}	Operating Temperature	-55/+150	°C			
T _{STG}	Storage Temperature	-55/+150	°C			
TL	Lead Soldering Temperature	260 (10 sec.)	°C			

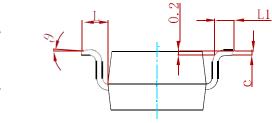
ELECTRICAL CHARACTERISTICS (Tamb=25°C)									
		V _{RWM}	Vв	Ι _Τ	Vc@1A	V	′c	I _R	Ст
P/N	MARK	(V)	(V)	(mA)	(V)	(V)		(µA)	(pF)
		(max.)	(min.)		(max.)	(max.)	(@A)	(max.)	(max.)
SD03C	2A	3.3	4.0	1	7.5	16.0	20	40	450
SD05C	2B	5.0	6.0	1	9.8	18.0	17	10	200
SD08C	2C	8.0	8.5	1	13.4	24.0	15	2	120
SD12C	2D	12.0	13.3	1	19.0	32.0	11	1	75
SD15C	2J	15.0	16.7	1	24.0	38.0	10	1	68
SD18C	2K	18.0	20.0	1	29.0	45.0	9	1	57
SD20C	2L	20.0	22.3	1	35.0	50.0	8	1	52
SD24C	2H	24.0	26.7	1	43.0	52.0	7	1	50
SD36C	2N	36.0	40.0	1	60.0	75.0	4.5	1	35



PACKAGE MECHANICAL DATA

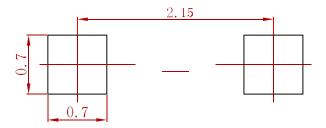






Symbol	Dimensions	In Millimeters	Dimensions In Inches		
Symbol	Min.	Max.	Min.	Max.	
A		1.000		0.039	
A 1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
с	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L	0.475 REF.		0.019 REF.		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	

Suggested Pad Layout



Note:

1.Controlling dimension:in millimeters.

2.General tolerance:± 0.05mm

3. The pad layout is for reference purposes only.

REEL SPECIFICATION

	P/N	PKG	QTY		
SDXXC		SOD-323	3000		





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