MSKSEMI 美森科

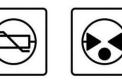


ESD













MOV

SDXXC-MS

Product specification





FEATURES

- I IEC61000-4-2 (ESD) ±30kV (Contact)
 - ±30kV (Air)
- IEC61000-4-4 (EFT) 40A (5/50ηs)
- 350 Watts Peak Pulse Power per (tp=8/20µs)
- Protects one I/O line (bidirectional)
- Low clamping voltage
- Working voltages: 3V,5V,8V,12V,15V,18V,20V,24V,36V
- Low leakage current

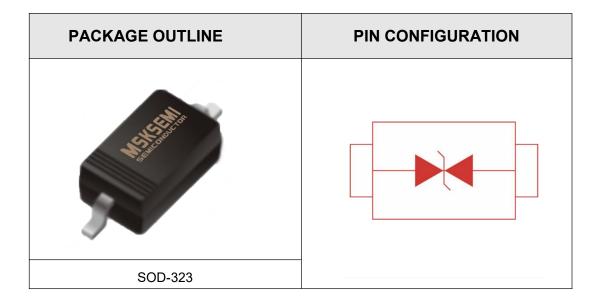
MACHANICAL DATA

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

Reference News





ABSOLUTE MAXIMUM RATING

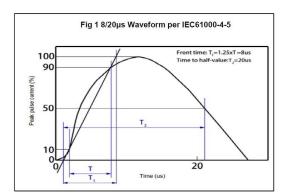
Symbol	Parameter	Value	Units	
	ESD per IEC 61000-4-2 (Contact)	±30		
V _{ESD}	ESD per IEC 61000-4-2 (Air)	±30	kV	
P _{PP}	Peak Pulse Power (8/20µs)	350	W	
Торт	Operating Temperature	-55/+150	${\mathbb C}$	
T _{STG}	Storage Temperature	-55/+150	${\mathbb C}$	

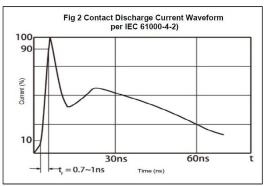
ELECTRICAL CHARACTERISTICS (Tamb=25℃)

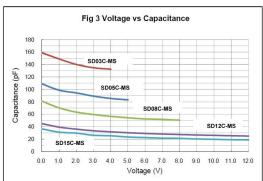
PART	DEVICE	V _{RWM}	V _B (V)	ե (mA)	Vc@1A (V)	Vo (V		l _R (μ A)	С _т (р F)
NUMBER	MARKING	(max.)	(min.)	(112.4)	(max.)	(max.)	, (@A)	(max.)	(max.)
SD03C-MS	2A	3.3	4.0	1	7.5	16.0	20	40	450
SD05C-MS	2B	5.0	6.0	1	9.8	18.0	17	10	200
SD08C-MS	2C	8.0	8.5	1	13.4	24.0	15	2	120
SD12C-MS	2D	12.0	13.3	1	19.0	32.0	11	1	75
SD15C-MS	2J	15.0	16.7	1	24.0	38.0	10	1	68
SD18C-MS	2K	18.0	20.0	1	29.0	45.0	9	1	57
SD20C-MS	2L	20.0	22.3	1	35.0	50.0	8	1	52
SD24C-MS	2H	24.0	26.7	1	43.0	52.0	7	1	50
SD36C-MS	2N	36.0	40.0	1	60.0	75.0	4.5	1	35

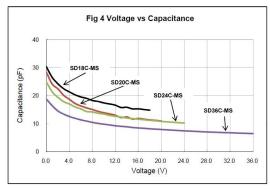


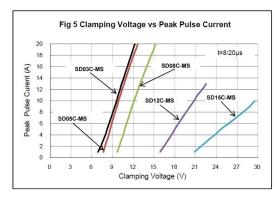
ELECTRICAL CHARACTERISTICS CURVE

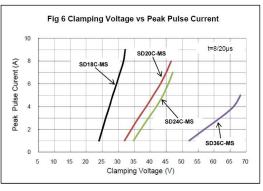






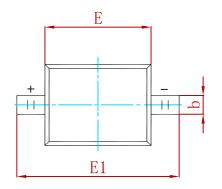


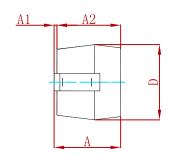


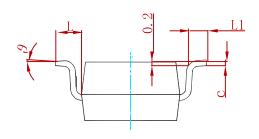




PACKAGE MECHANICAL DATA

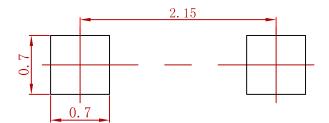






Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min.	Max.	Min.	Max.	
Α		1.000		0.039	
A1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L,	0.475	REF.	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-MS	SOD-323	3000



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