



Product data sheet

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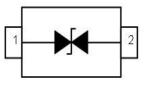


ESD3Z5.0C-MS HF 🐼

Semiconductor Compiance

PIN CONFIGURATION





SOD-323

ABSOLUTE MAXIMUM RATING

FEATURES

- ♦ Peak power dissipation: 60W (8/20µs)
- ♦ Protects one I/O line
- ♦ Low clamping voltage
- ♦ Working voltages : 5V
- ♦ Low leakage current

MACHANICAL DATA

- ♦ SOD-323 package
- ♦ Packaging: Tape and Reel
- ♦ Reel size: 7 inch

APPLICATIONS

- High Speed Line :USB1.0/2.0, VGA, DVI, SDI,
- Serial and Parallel Ports
- Notebooks, Desktops, Servers
- \diamond Projection TV
- Cellular handsets and accessories
- Portable instrumentation
- ♦ Peripherals

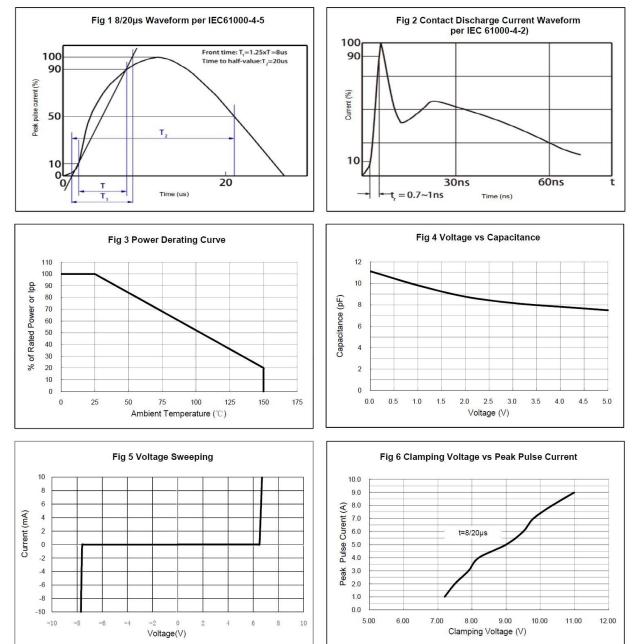
Symbol	Parameter	Value	Units	
V _{ESD}	ESD per IEC 61000-4-2 (Contact) ESD per IEC 61000-4-2 (Air)	±30 ±30	kV	
P _{PP}	Peak Pulse Power (8/20µs)	60	W	
Т _{ОРТ}	Operating Temperature	-55~150	°C	
T _{STG}	Storage Temperature	-55~150	°C	

ELECTRICAL CHARACTERISTICS (Tamb=25°C)

Symbol	Parameter	Test Condition	Min	Тур	Мах	Units
V _{RWM}	Reverse Working Voltage				5.0	V
V _{BR}	Reverse Breakdown Voltage	I _T = 1mA	5.6		7.8	V
I _R	Reverse Leakage Current	V _{RWM} = 5V			1.0	μA
Vc	Clamping Voltage	I _{PP} = 5A, t _p = 8/20µs			12.0	V
CJ	Junction Capacitance	$V_R = 0V$, f = 1MHz			18	pF

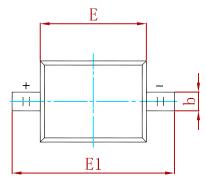


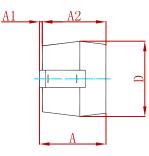
ELECTRICAL CHARACTERISTICS CURVE

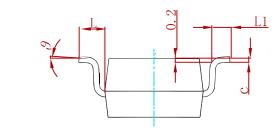




PACKAGE MECHANICAL DATA

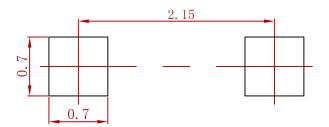






Symbol	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min.	Max.	Min.	Max.	
A		1.000		0.039	
A 1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
с	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L	0.475 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
ESD3Z5.0C-MS	SOD-323	3000



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