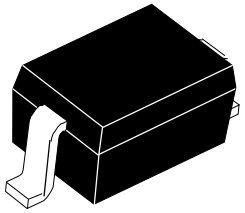
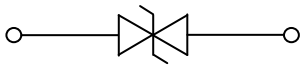
SES24VD323M-2B

Features

- 360W peak pulse power (tp= 8/20μs)
- SOD-323 package
- Fast response time,typically < 1 ns
- Excellent clamping voltage
- Low leakage current
- IEC 61000-4-2 ±30kV (Air) ESD protection
- IEC 61000-4-2 ±30kV (Contact) ESD protection
- IEC 61000-4-4 9A (5/50ns) EFT protection
- RoHS compliant



SOD-323



Schematic Diagram

Applications

- Laptop computers
- Cellular phones
- Digital cameras
- PDAs

Absolute Maximum Ratings

(T_A=25℃, Unless otherwise specified.)

Rating	Symbols	Value	Units
Peak Pulse Power (T_P=8/20μS)	P_{PP}	360	W
Peak Pulse Current (T_P=8/20μS)	I_{PP}	9	A
Operating Temperature	T_J	-55 to +125	℃
Storage temperature	T_{STG}	-55 to +150	℃

Electrical Characteristics

(T_A=25℃, Unless otherwise specified.)

Parameter	Symbols	Conditions	Min	Typ	Max	Units
Reverse stand-off voltage	V_{RWM}				24	V
Reverse Breakdown Voltage	V_{BR}	I_T=1mA	26.7			V
Reverse Leakage Current	I_R	V_{RWM}=24V			0.5	μA
Clamping Voltage	V_C	I_{PP}=9A，T_P=8/20μs		40		V
Junction Capacitance	C_J	V_R=0V,f=1MHz		19		pF

Typical Characteristic Curves

Fig.1 Peak Pulse Power vs Pulse Time

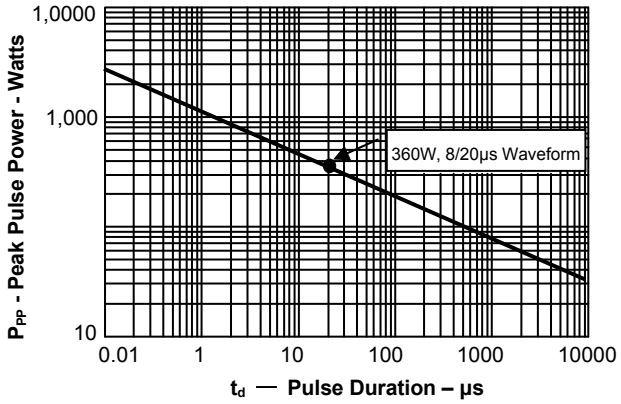


Fig.2 Pulse WaveForm-8/20μs

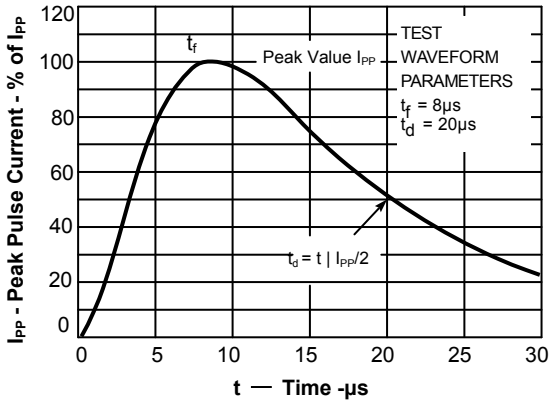


Fig.3 Power Derating Curve

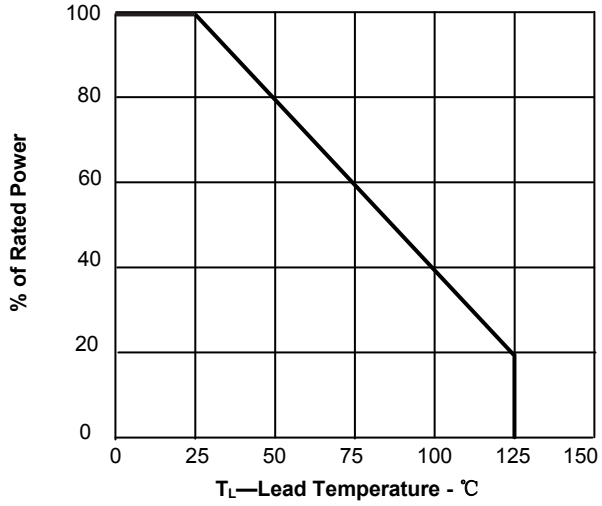
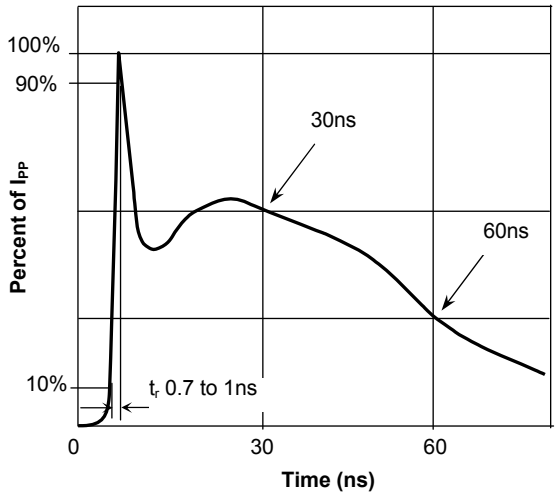
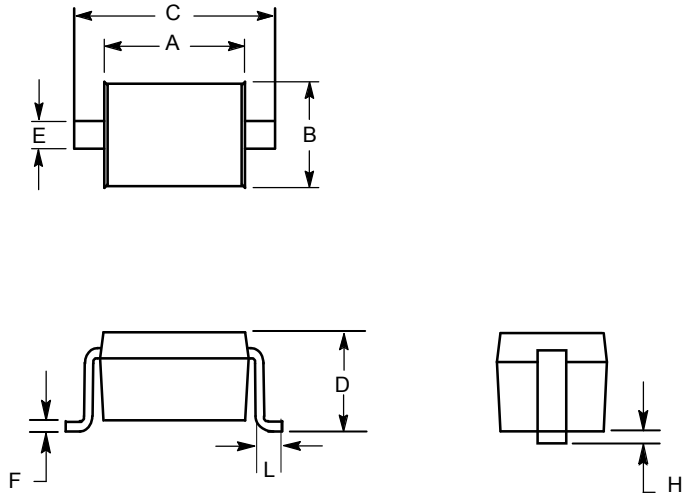


Fig.4 Pulse Waveform-ESD(IEC61000-4-2)

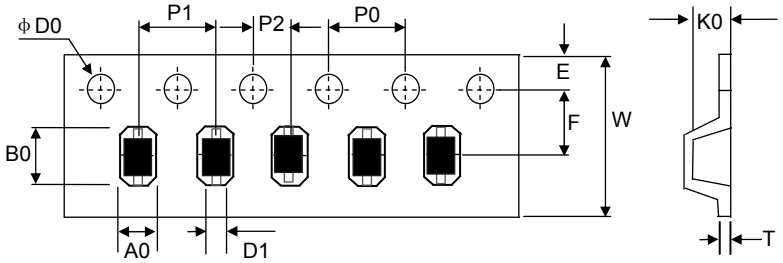


Product Dimensions



Dim	millmeters	
	min	max
A	1.60	1.90
B	1.15	1.45
C	2.39	2.72
D	0.80	1.10
E	0.25	0.40
F	0.10	0.20
H		0.10
L	0.20	-

Package Information



Unit:mm

A0	B0	K0	D1	ϕD0	E	F	W	P0	P1	P2	T
1.52±0.10	2.90±0.10	1.35±0.10	1.0±0.25	1.50±0.10	1.75± 0.10	3.50± 0.05	8.00± 0.10	4.00±0.10	4.00±0.10	2.00±0.05	0.24～0.27

Marking



Order Information

Device	Package	Net Weight	Carrier	Quantity	HSF Status
SES24VD323M-2B	SOD-323	0.0045g	Tape & Reel	3000pcs	RoHS compliant

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