

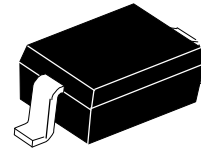
Features

- 350W peak pulse power per line (tp= 8/20μs)
- SOD-323 package
- Bidirectional configurations
- Protects one power or I/O line
- Low clamping voltage
- RoHS compliant
- Transient protection for data lines to
IEC61000-4-2 (ESD) ±30KV(air), ±30KV(contact);
IEC61000-4-4 (EFT) 40A (5/50ns)
IEC61000-4-5 (surge): 15A (8/20us)

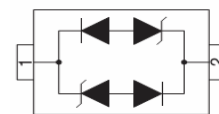
Applications

- Ethernet- 10/100/1000 Base T
- Cellular phones
- Handheld- Wireless Systems
- PDAs
- USB Interface

SESLCxVD323S-2B



SOD-323



Schematic Diagram

Absolute Maximum Ratings

(T_A=25°C, unless otherwise specified.)

Rating	Symbols	Value	Units
Peak Pulse Power (T _P =8/20μS)	P _{PP}	350	W
Operating Temperature Range	T _J	-55 to +150	°C
Storage temperature Range	T _{STG}	-55 to +150	°C

Electrical Characteristics

(T_A=25°C, unless otherwise specified.)

Part Number	Marking	V _{RWM}	IR @ V _{RWM}	Min Breakdown Voltage V _{BR} @1mA	Max Clamping Voltage V _c		Typ C _J @0V,1MHz
		Volts	uA		@I _P =1A	@I _{PP}	
				Volts	Volts	Volts	pF
SESLC3V3D323S-2B	3B	3.3	1	4.0	7.0	19 @ 20A	1
SESLC5VD323S-2B	5B	5	1	6.0	9.8	18.3 @ 17A	1
SESLC8VD323S-2B	8B	8	1	8.5	13.4	26.8 @ 20A	1
SESLC12VD323S-2B	AB	12	1	13.3	19.0	28.6 @ 11A	1
SESLC15VD323S-2B	BB	15	1	16.7	24.0	40 @ 10A	1
SESLC24VD323S-2B	CB	24	1	26.7	33.0	54 @ 9A	1

Typical Characteristics Curves

Fig.1 Peak Pulse Power vs Pulse Time

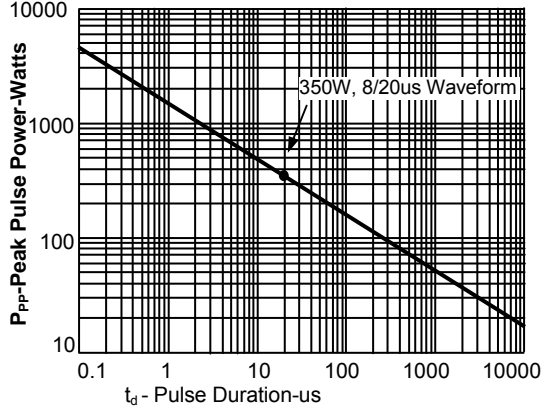
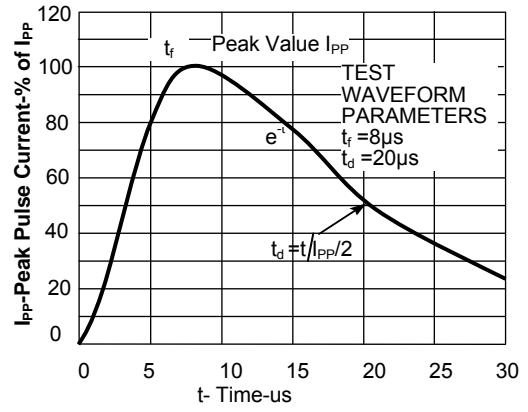
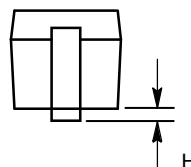
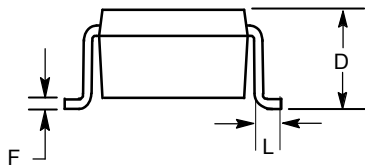
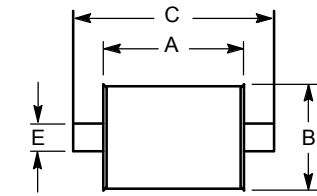


Fig.2 Pulse Waveform

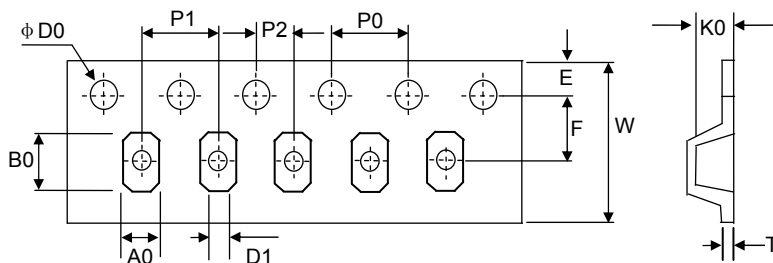


Product Dimensions



Dim	millimeters	
	min	max
A	1.60	1.90
B	1.15	1.45
C	2.39	2.70
D	0.80	1.10
E	0.25	0.40
F	0.10	0.20
H		0.10
L	0.20	-

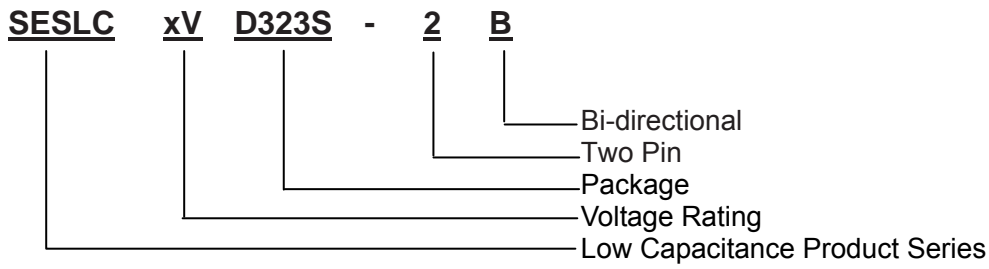
Package Information



Unit:mm

A0	B0	K0	D1	$\phi D0$	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

Part Number System



Marking



XX : Marking code

Order Information

Device	Package	Carrier	Quantity	HSF Status
SESLCxVD323S-2B	SOD-323	Tape & Reel(7")	3000pcs	RoHS compliant

Revision history

Date	Revision	Description of changes
15-October-2014	A0	First issue

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