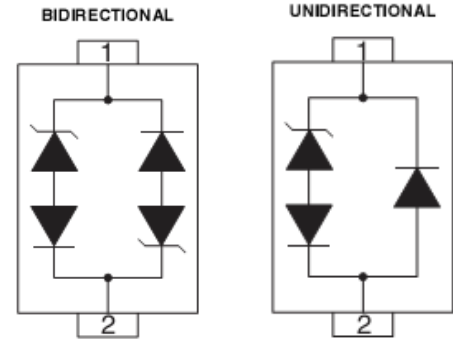


## Feature

- 350W peak pulse power per line ( $t_p = 8/20\mu s$ )
- SOD-323 package
- Replacement for MLV(0805)
- Unidirectional or Bidirectional configurations
- Protects one power or I/O port
- ESD protection > 40 kV
- Low clamping voltage
- RoHS compliant
- Transient protection for data lines to IEC 61000-4-2(ESD)  $\pm 15KV(\text{air})$ ,  $\pm 8KV(\text{contact})$ ; IEC 61000-4-4 (EFT) 40A (5/50ns)  
IEC 61000-4-5(surge): 24A, 8/20 $\mu s$ -Level 2(line-ground) & Level 3(line-line)



## Applications

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

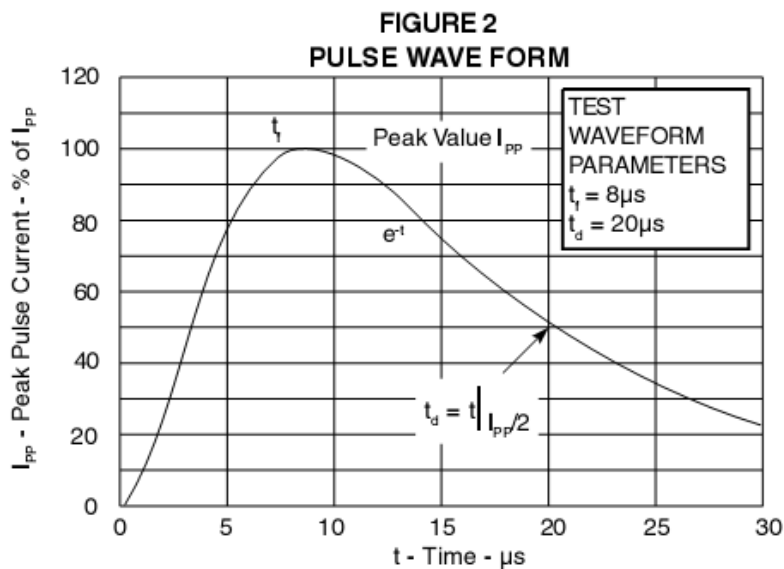
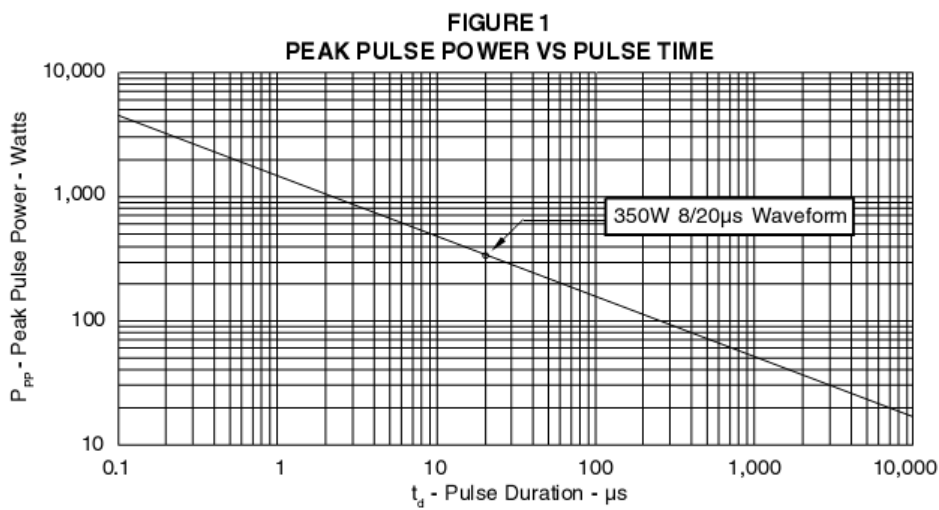
## Electrical characteristics per line@25°C(unless otherwise specified)

Device	$V_{RWM}$	$I_R$ @ $V_{RWM}$	Min Breakdown Voltage $V_{BR}$ @1mA	Max Clamping Voltage $V_c$		Typ. $C_j$ @0V,1MHZ
				@ $I_P=1A$	@ $I_{PP}$	
	Volts	$\mu A$	Volts	Volts	Volts	pF
SESLC3V3D323-2U	3.3	5	4.0	7.0	19.0@20.0A	3
SESLC3V3D323-2B	3.3	5	4.0	7.0	19.0@20.0A	3
SESLC5VD323-2U	5	5	6.0	9.8	18.3@17.0A	3
SESLC5VD323-2B	5	5	6.0	9.8	18.3@17.0A	3
SESLC8VD323-2U	8	2	8.5	13.4	18.5@17.0A	3
SESLC8VD323-2B	8	2	8.5	13.4	18.5@17.0A	3
SESLC12VD323-2U	12	1	13.3	19.0	28.6@11.0A	3
SESLC12VD323-2B	12	1	13.3	19.0	28.6@11.0A	3
SESLC24VD323-2U	24	1	26.7	43.0	56.0@6.0A	3
SESLC24VD323-2B	24	1	26.7	43.0	56.0@6.0A	3

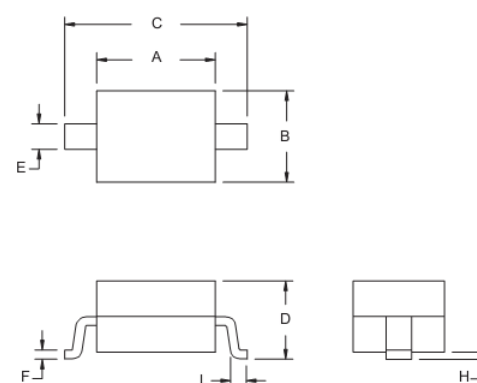

note: Unidirectional: -2U; Bidirectional:-2B

**Typical**
**Characteristics**

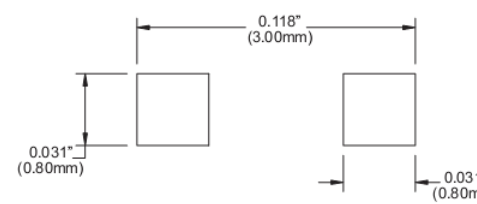
Rating	Symbol	Value	Units
Unidirectional Peak Pulse Power ( $t_p=8/20\mu S$ )	$P_{pp}$	350	W
Operating Temperature	$T_J$	-55 to +150	$^{\circ}C$
Storage Temperature	$T_{STG}$	-55 to +150	$^{\circ}C$

**Absolute maximum rating @25 $^{\circ}C$** 


**Product dimension and pad size**

PACKAGE OUTLINE		SOD-323 PACKAGE			
					
		PACKAGE DIMENSIONS			
DIM	MILLIMETERS		INCHES		
	MIN	MAX	MIN	MAX	
A	1.60	1.90	0.063	0.075	
B	1.15	1.45	0.045	0.057	
C	2.39	2.70	0.094	0.106	
D	0.80	1.10	0.031	0.043	
E	0.25	0.40	0.010	0.016	
F	0.10	0.20	0.004	0.008	
H	-	0.10	-	0.004	
L	0.20	-	0.008	-	

MOUNTING PAD		NOTES	
		1. Controlling Dimensions in Millimeters. 2. Dimensions are exclusive of mold flash and metal burrs.	
TAPE & REEL ORDERING NOMENCLATURE		.	

**Carrier size**

DIM	Min.	Max.
Ao	1.42	1.62
Bo	2.80	3.00
Ko	1.25	1.45
Po	3.90	4.10
P1	3.90	4.10
P2	1.95	2.05
T	0.24	0.27
E	1.65	1.85
F	3.45	3.55
Do	1.40	1.60
D1	0.75	1.25
W	7.90	8.30
G	-	*2.08
H	-	*1.07
I	-	*0.84
a1	-	5°
a2	-	8°

\*: Typical, Unit: mm

**Revision History**

Revision	Date	Changes
1.0	2008-7-3	-