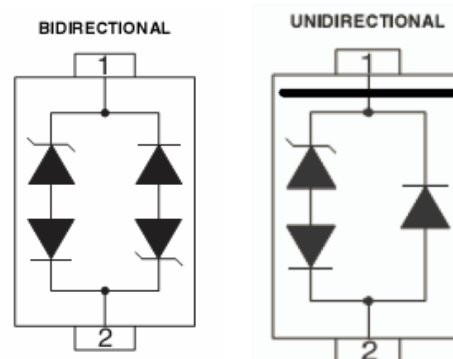


Feature

- 850W Dice
- 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) $\pm 15\text{KV}(\text{air})$, $\pm 8\text{KV}(\text{contact})$; IEC 61000-4-4 (EFT) 40A (5/50ns)
IEC 61000-4-5(surge): >30A, 8/20 μs -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	μA	Volts	Volts	Volts	pF
SESLC5VD323-2B	5	1	6.0	9.8	18.3@17.0A	1.8

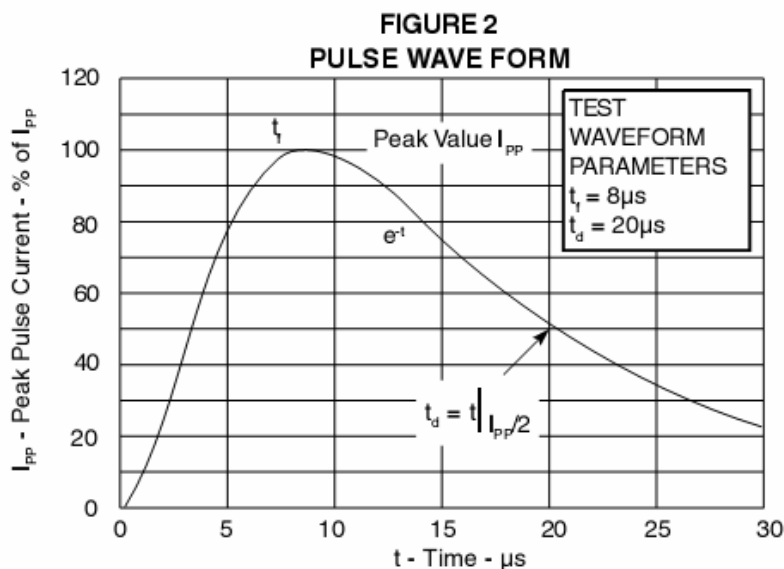
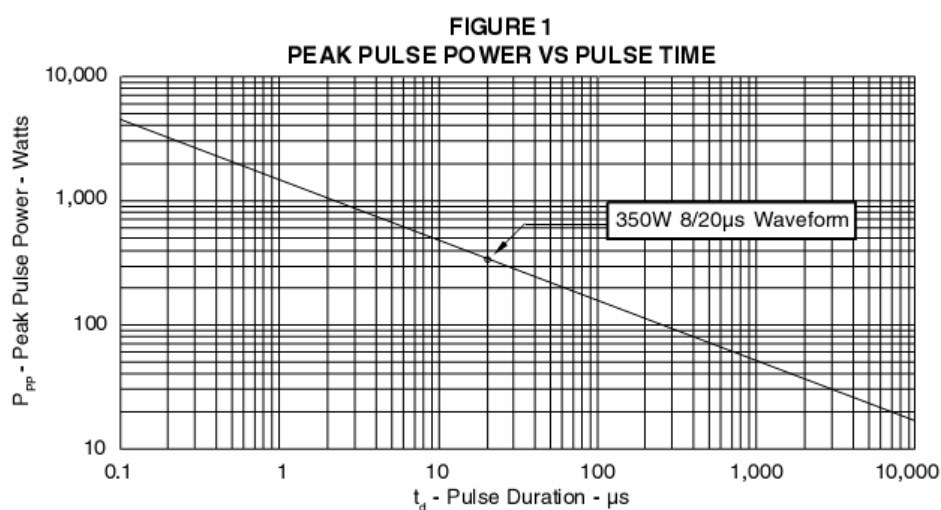
晶訊編號: SEMITEL'S MODEL NO. :	SESLC5VD323-2B	客戶機型: CUSTOMER'S MODEL NO.:	
版本/VERSION :	A	客戶型號: CUSTOMER'S PART NO. :	
日期/DATE :	2016/6/2		

note: Bidirectional: -2B

Typical Characteristics

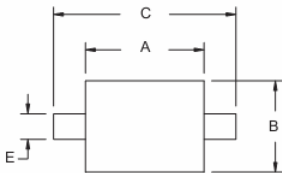
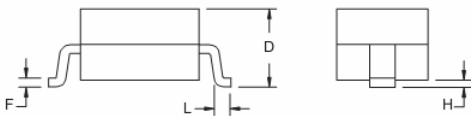
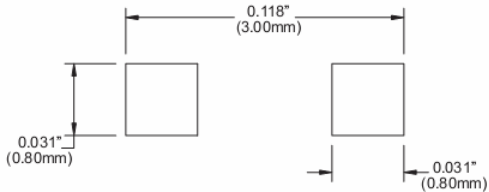
Rating	Symbol	Value	Units
Unidirectional Peak Pulse Power ($t_p=8/20\mu s$)	P_{pp}	350	W
Operating Temperature	T_J	-55 to +150	$^{\circ}C$
Storage Temperature	T_{STG}	-55 to +150	$^{\circ}C$

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

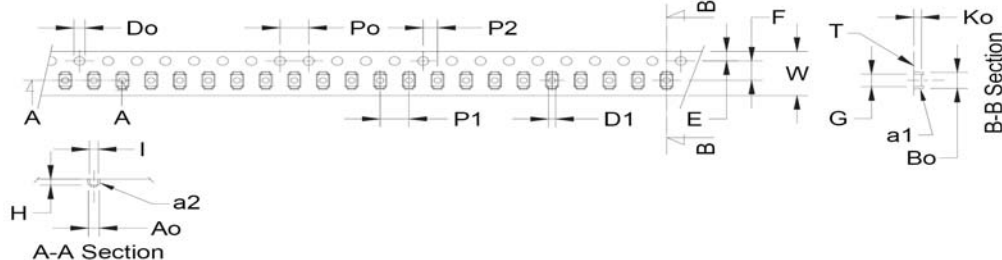


晶訊編號: SEMITELE'S MODEL NO. :	SESLC5VD323-2B	客戶機型: CUSTOMER'S MODEL NO.:	
版本/VERSION :	A	客戶型號: CUSTOMER'S PART NO. :	
日期/DATE :	2016/6/2		

Product dimension and pad size

PACKAGE OUTLINE 	SOD-323 PACKAGE 																																																	
	PACKAGE DIMENSIONS <table><tr><th rowspan="2">DIM</th><th colspan="2">MILLIMETERS</th><th colspan="2">INCHES</th></tr><tr><th>MIN</th><th>MAX</th><th>MIN</th><th>MAX</th></tr><tr><td>A</td><td>1.60</td><td>1.90</td><td>0.063</td><td>0.075</td></tr><tr><td>B</td><td>1.15</td><td>1.45</td><td>0.045</td><td>0.057</td></tr><tr><td>C</td><td>2.39</td><td>2.70</td><td>0.094</td><td>0.106</td></tr><tr><td>D</td><td>0.80</td><td>1.10</td><td>0.031</td><td>0.043</td></tr><tr><td>E</td><td>0.25</td><td>0.40</td><td>0.010</td><td>0.016</td></tr><tr><td>F</td><td>0.10</td><td>0.20</td><td>0.004</td><td>0.008</td></tr><tr><td>H</td><td>-</td><td>0.10</td><td>-</td><td>0.004</td></tr><tr><td>L</td><td>0.20</td><td>-</td><td>0.008</td><td>-</td></tr></table>	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	-
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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

晶訊編號: SEMTEL'S MODEL NO. :	SESLC5VD323-2B	客戶機型: CUSTOMER'S MODEL NO.:	
版本/VERSION :	A	客戶型號: CUSTOMER'S PART NO. :	
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