

承認書

SPECIFICATION FOR APPROVAL

<p>CUSTOMER'S APPROVAL CHOP 客戶確認蓋章</p> <p>條件附確認: Approval's condition: _____</p> <p>確認日期 Approved date: _____</p>
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確認這制品, 請簽回一套給我司并蓋上貴司的正式印章
 KINDLY RETURN A SET WITH YOUR COMPANY'S OFFICIAL
 STAMP ON APPROVAL OF THIS ITEM

客戶名稱 :
CUSTOMER'S NAME : _____

客戶機型 :
CUSTOMER'S MODEL NO. : _____

客戶型號 :
CUSTOMER'S PART NO. : _____

類別 :
DESCRIPTION : LOW CAP SOD323 TVS DIODE

晶訊編號 :
SEMITEL'S MODEL NO. : SESLC12VD323-2B

版本 :
VERSION : A

日期 :
DATE : 2016/6/2

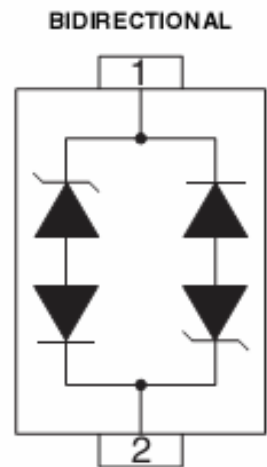
- 承認書附件:
Attachments:
- 制品規格書
Product specification
 - 樣品/Sample Qty.
 - 測試參數
Test data

Prepared By	Checked By	Approved By
Hebe Deng 2016/6/2	Liang Wong 2016/6/2	Alan Wong 2016/6/2

晶訊國際有限公司	台灣新北市汐止區大同路一段183號12樓 TEL: 886-2-86922121 FAX: 886-2-26483379
Semitel International Ltd.	12F, No.183, Sec.1, Datong Rd., Xizhi Dist., New Taipei City 22145, Taiwan

Feature

- 350W Dice
- SOD-323 package
- Replacement for MLV(0805)
- 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) ± 15KV(air), ± 8KV(contact); IEC 61000-4-4 (EFT) 40A (5/50ns) IEC 61000-4-5(surge): >30A, 8/20µs-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} Volts	I_R @ V_{RWM} uA	Min Breakdown Voltage V_{BR} @1mA Volts	Max Clamping Voltage V_c @ $I_{P=1A}$ Volts	V_c @ I_{PP} Volts	Typ. C_j @0V,1MHZ pF
SESLC12VD323-2B	12	1	13.3	19.0	28.6@11.0A	1.8

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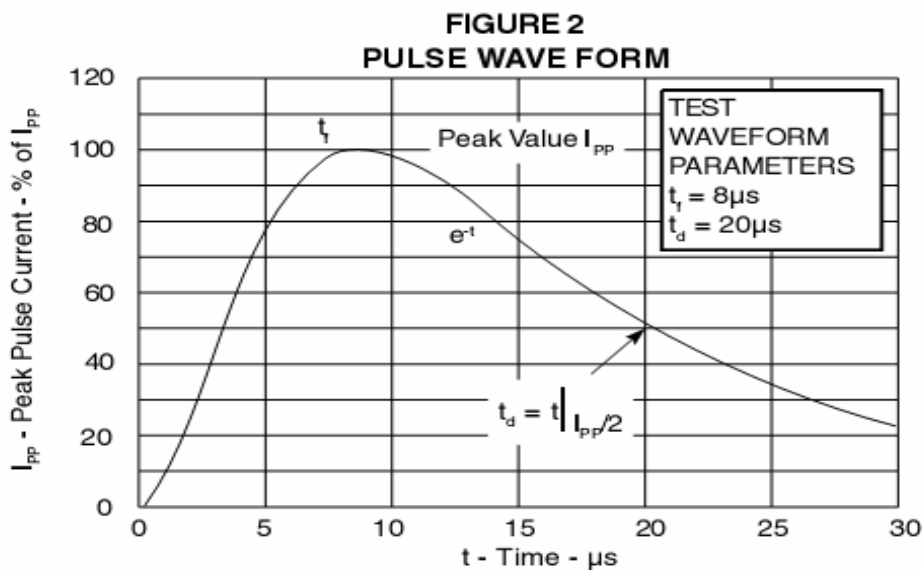
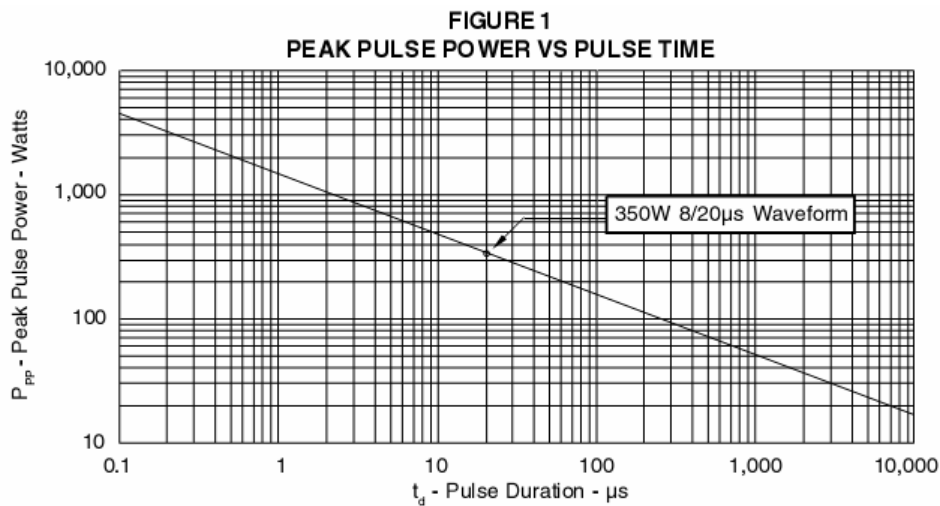


Bidirectional:-2B

Typical Characteristics

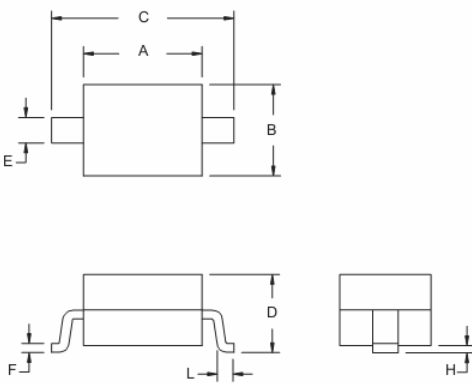

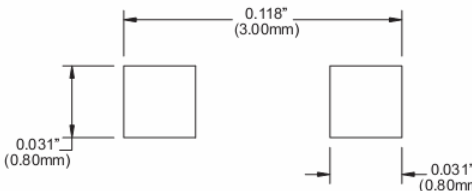
Rating	Symbol	Value	Units
Unidirectional Peak Pulse Power ($t_p=8/20\mu S$)	P_{pp}	350	W
Operating Temperature	T_J	-55 to +150	$^{\circ}C$
Storage Temperature	T_{STG}	-55 to +150	$^{\circ}C$

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

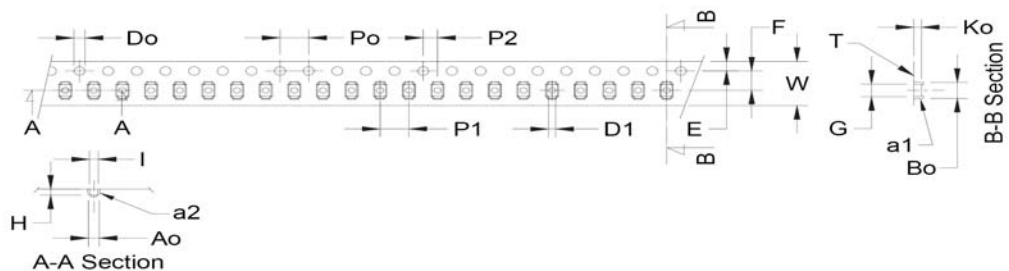


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版本/VERSION:	A	客戶型號: CUSTOMER'S PART NO.:	
日期/DATE:	2016/6/2		

Product Dimension and Pad Size

<p style="text-align: center;">PACKAGE OUTLINE</p> 	<p style="text-align: center;">SOD-323 PACKAGE</p>  <p style="text-align: center;">PACKAGE DIMENSIONS</p> <table border="1"> <thead> <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> </thead> <tbody> <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> </tbody> </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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<p style="text-align: center;">MOUNTING PAD</p> 	<p>NOTES</p> <ol style="list-style-type: none"> Controlling Dimensions in Millimeters. Dimensions are exclusive of mold flash and metal burrs. <p>TAPE & REEL ORDERING NOMENCLATURE</p>																																																	

Carrier Size

 <p style="text-align: center;">A-A Section</p> <p style="text-align: center;">B-B Section</p>	<table border="1"> <thead> <tr> <th>DIM</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>Ao</td> <td>1.42</td> <td>1.62</td> </tr> <tr> <td>Bo</td> <td>2.80</td> <td>3.00</td> </tr> <tr> <td>Ko</td> <td>1.25</td> <td>1.45</td> </tr> <tr> <td>Po</td> <td>3.90</td> <td>4.10</td> </tr> <tr> <td>P1</td> <td>3.90</td> <td>4.10</td> </tr> <tr> <td>P2</td> <td>1.95</td> <td>2.05</td> </tr> <tr> <td>T</td> <td>0.24</td> <td>0.27</td> </tr> <tr> <td>E</td> <td>1.65</td> <td>1.85</td> </tr> <tr> <td>F</td> <td>3.45</td> <td>3.55</td> </tr> <tr> <td>Do</td> <td>1.40</td> <td>1.60</td> </tr> <tr> <td>D1</td> <td>0.75</td> <td>1.25</td> </tr> <tr> <td>W</td> <td>7.90</td> <td>8.30</td> </tr> <tr> <td>G</td> <td>-</td> <td>*2.08</td> </tr> <tr> <td>H</td> <td>-</td> <td>*1.07</td> </tr> <tr> <td>I</td> <td>-</td> <td>*0.84</td> </tr> <tr> <td>a1</td> <td>-</td> <td>5°</td> </tr> <tr> <td>a2</td> <td>-</td> <td>8°</td> </tr> </tbody> </table> <p style="text-align: right;">*: Typical, Unit: mm</p>	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°
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