

**Features**

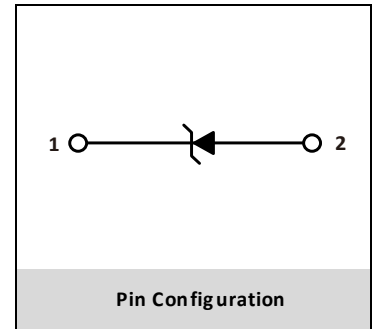
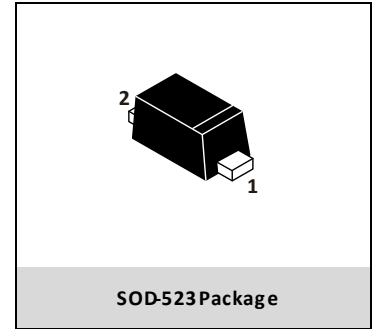
- > 200 Watts Peak Pulse Power per Line (tp=8/20μ s)
- > Protects one I/O line
- > Low clamping voltage
- > Working Voltages:3.3V
- > Low leakage current

**Applications**

- > Cellular Handsets and Accessories
- > Portable Electronics
- > Industrial Controls
- > SetTop Box
- > Instrumentation
- > Servers, Notebook, and Desktop PC
- > Display Ports

**IEC Compatibility**

- > IEC61000-2 (ESD) ± 30kV (air), ± 30kV (contact)
- > IEC61000-4 (EFT) 40A (5/50ns)



**Maximum Ratings**(@25°C Unless Otherwise Specified)

Parameter	Symbol	Value	Units
Peak Pulse Power (tp=8/20μ s waveform)	P <sub>PP</sub>	200	W
Lead Soldering Temperature	T <sub>L</sub>	260 (10 sec.)	° C
Operating Temperature Range	T <sub>J</sub>	-55 to 150	° C
Storage Temperature Range	T <sub>STG</sub>	-55 to 150	° C

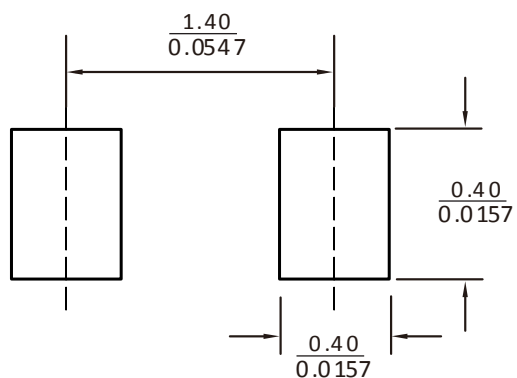
**Electrical Characteristics Per Line**(@ 25° C Unless Otherwise Specified)

Part Number	Device Marking	V <sub>RWM</sub>	V <sub>B</sub>	I <sub>T</sub>	V <sub>C</sub> @1A	V <sub>C</sub>		I <sub>R</sub>	C <sub>T</sub>
		max(V)	min(V)	mA	max(V)	max(V)	@A	max(μA)	max(pF)
SE5D20U3.3A	ZD	3.3	4.0	1	6.5	14	15	200	200

**Product Dimensions**

Symbol	Millimeters		Inches	
	Min	Max	Min	Max
A	0.500	0.700	0.020	0.028
b	0.250	0.350	0.010	0.014
C	0.070	0.200	0.003	0.008
D	0.700	0.900	0.028	0.035
E	1.100	1.300	0.043	0.051
E1	1.500	1.700	0.059	0.067
L	0.150	0.250	0.006	0.010

**Soldering Footprint**



Notes:  
This recommended land pattern is for reference purposes only.  
Please consult your manufacturing group to ensure your PCB design guidelines are met.

SCALE10:1 (  $\frac{\text{mm}}{\text{inches}}$  )

**Ordering Information**

PART NUMBER	COMPONENT PACKAGE	QTY/REEL	REEL SIZE
SE5D20U3.3A	SOD-523	3000 PCS	7"

## **CONTACT US**

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