

## **Thermal Characteristics**

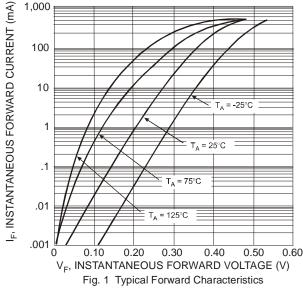
Characteristic	Symbol	Value	Unit
Power Dissipation (Note 5)	P <sub>D</sub>	235	mW
Typical Thermal Resistance Junction to Ambient (Note 5)	$R_{ hetaJA}$	426	°C/W
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-40 to +125	°C

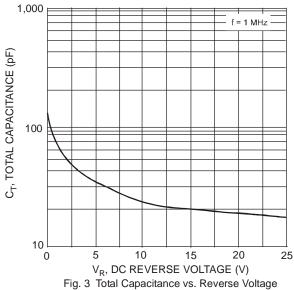
# **Electrical Characteristics** (@T<sub>A</sub> = +25°C, unless otherwise specified.)

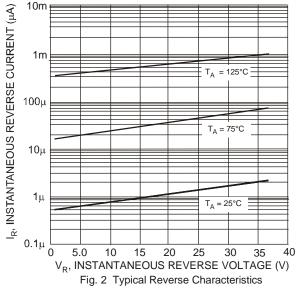
Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse Breakdown Voltage (Note 6)	$V_{(BR)R}$	40	_	_	<b>V</b>	$I_R = 1mA$
Forward Voltage	V <sub>F</sub>	_	285	300	mv	I <sub>F</sub> = 10mA
Tomara Tomago			480	550		$I_F = 500 \text{mA}$
Reverse Current (Note 6)	I <sub>R</sub>	_	1.0	3	μΑ	$V_R = 10V$
Neverse Current (Note o)		_	2.0	5	μΑ	$V_R = 30V$
Total Capacitance	Ст	_	125	_	pF	$V_R = 0V$ , $f = 1.0MHz$
Total Capacitance		_	20	_	pF	$V_R = 10V, f = 1.0MHz$

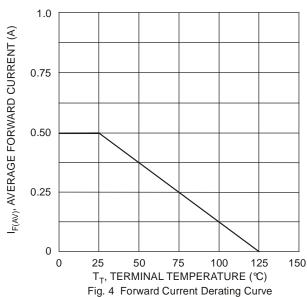
Notes: 5. Part mounted on FR-4 PC board with recommended pad layout, which can be found on our website at http://www.diodes.com/package-outlines.html.

6. Short duration pulse test used to minimize self-heating effect.







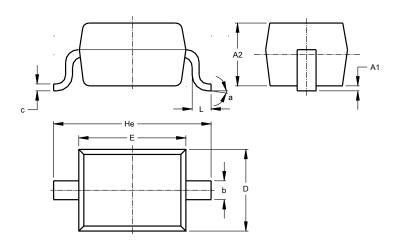




# **Package Outline Dimensions**

Please see http://www.diodes.com/package-outlines.html for the latest version.

## SOD323

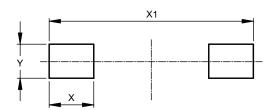


SOD323					
Dim	Min	Max	Тур		
A1		0.10	0.05		
A2	1.00	1.10	1.05		
b	0.25	0.35	0.30		
С	0.10	0.15	0.11		
D	1.20	1.40	1.30		
Е	1.60	1.80	1.70		
He	2.30	2.70	2.50		
L	0.20	0.40	0.30		
а	00	8º			
All Dimensions in mm					

# Suggested Pad Layout

Please see http://www.diodes.com/package-outlines.html for the latest version.

### SOD323



Dimensions	Value (in mm)
Х	0.590
X1	2.700
Υ	0.450



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