

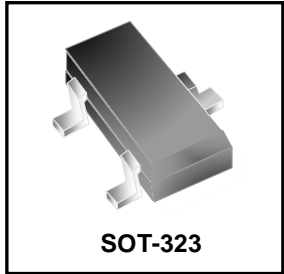


WSR3002W2

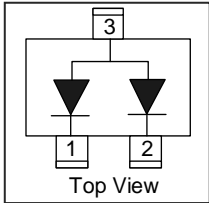
Schottky Barrier Diode

Features

- Low Forward Voltage Schottky Rectifier
- High Conductance
- Low Current Leakage
- RoHS Compliant / Green EMC



Schematic & PIN Configuration



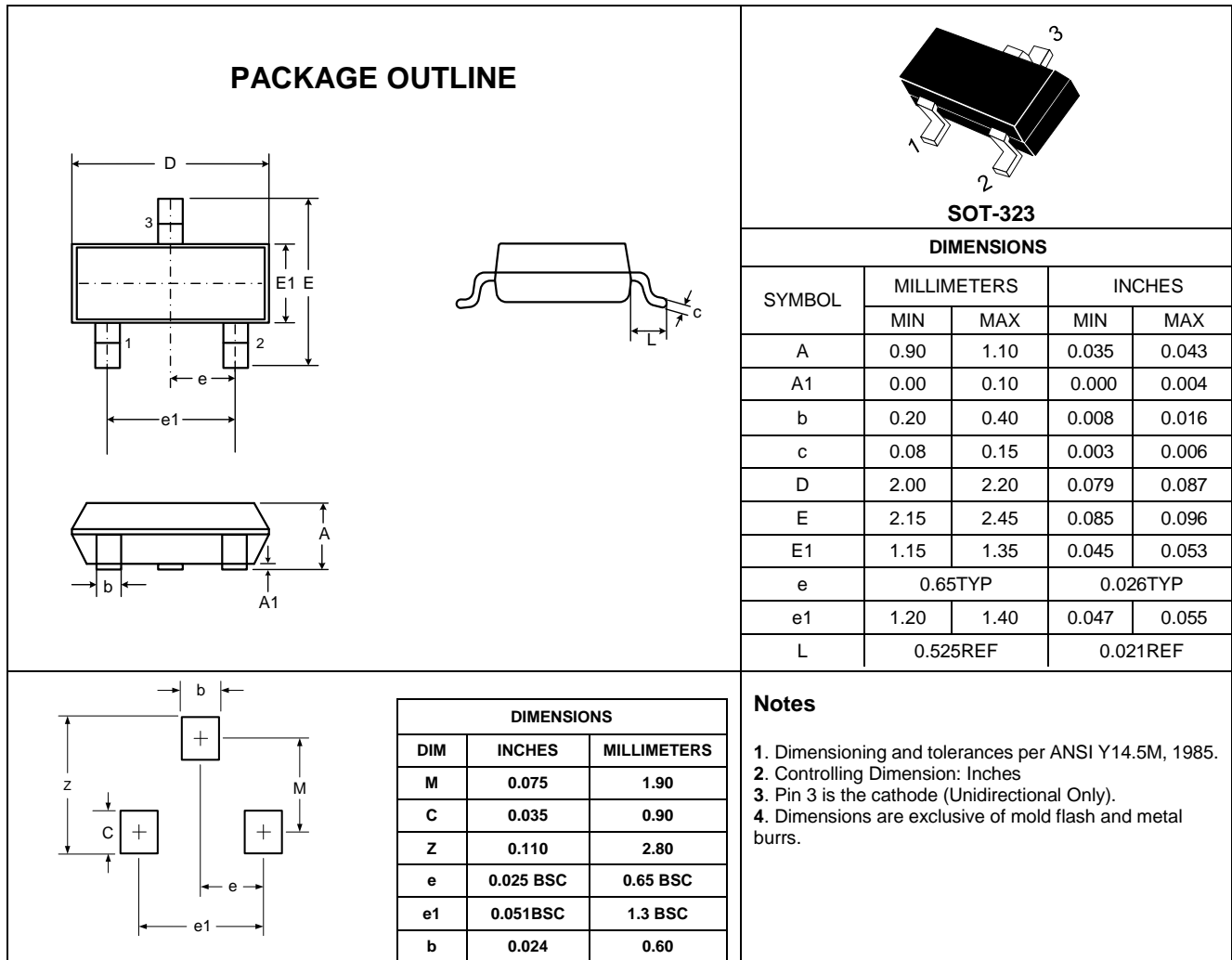
Absolute Maximum Rating

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Forward Current	I_F	200	mA
Power Dissipation	P_D	200	mW
Peak Forward Surge Current @ $t_p=10ms$	I_{FSM}	600	mA
Peak Repetitive Forward Current	I_{FRM}	300	mA
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	625	$^{\circ}C/W$
Junction Temperature	T_J	125	$^{\circ}C$
Storage Temperature	T_{stg}	-65 to 150	$^{\circ}C$

Electrical Characteristics ($T_{amb}=25^{\circ}C$ unless otherwise noted)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	V_{BR}	$I_R = 100\mu A$	30	-	-	V
Reverse Current	I_R	$V_R = 25V$	-	-	2	μA
Forward Voltage	V_F	$I_F = 0.1mA$			0.24	V
		$I_F = 1mA$	-	-	0.32	
		$I_F = 10mA$			0.40	
		$I_F = 30mA$	-	-	0.50	
		$I_F = 100mA$	-	-	1.00	
Typical Junction Capacitance	C_J	$V_R = 1V, f = 1.0MHz$	-	10	-	pF
Reverse Recovery Time	T_{rr}	$I_F = I_R = 10mA, I_R = 1mA, R_L = 100\Omega$	-	5	-	ns

Outline Drawing –SOT-323



Marking Codes

Part Number	WSR3002W2
Marking Code	

Package Information

Qty: 3k/Reel

CONTACT INFORMATION

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For additional information, please contact your local Sales Representative.

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*Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.*