



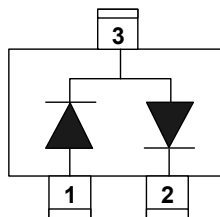
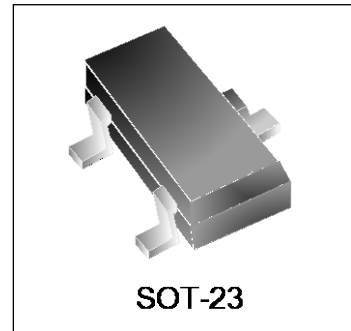
WSR3002T3

Schottky Barrier Diode

Features

- High Conductance
- Low Current Leakage
- Small Outline Surface Mount Package
- RoHS Compliant / Green EMC

Schematic & PIN Configuration



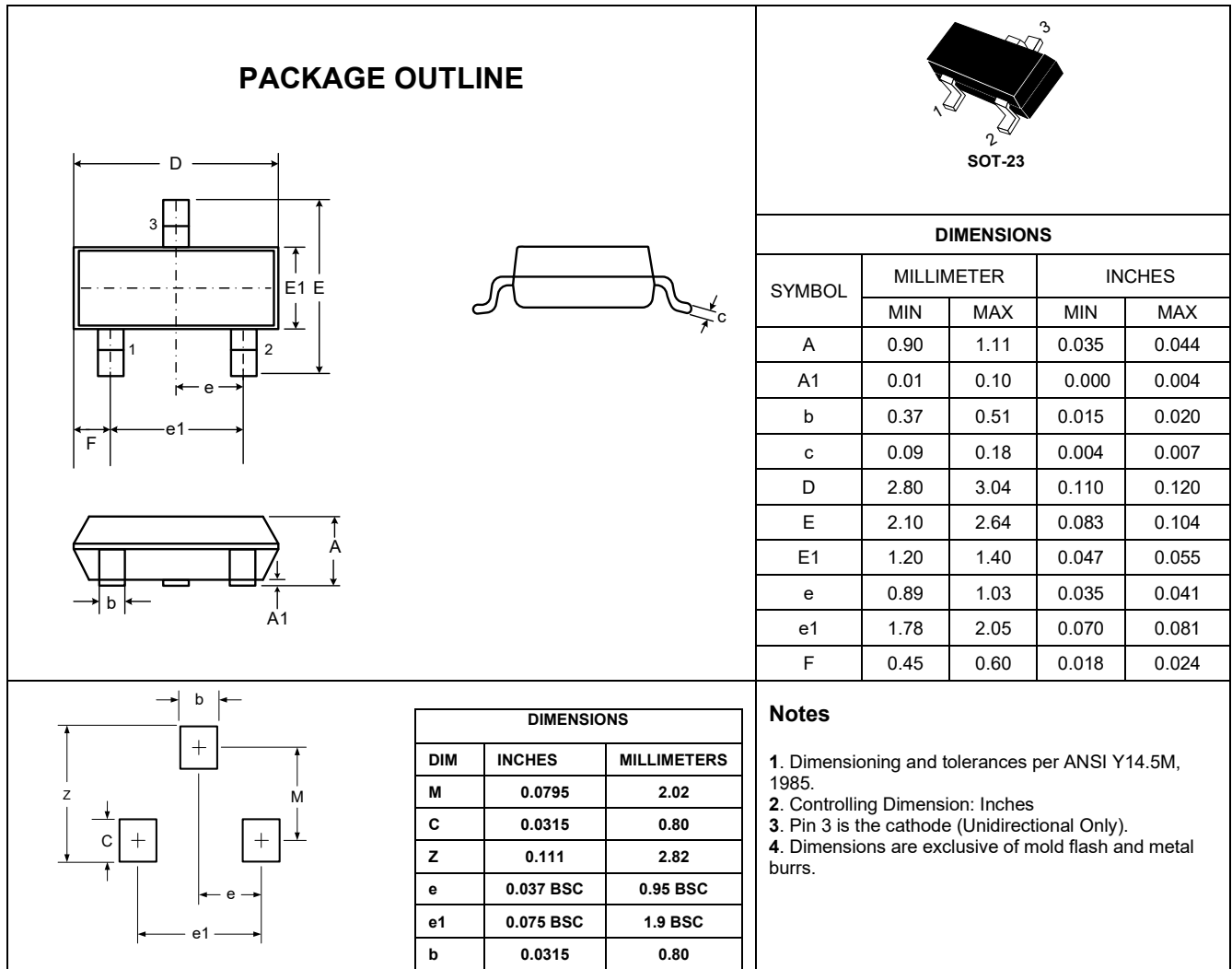
Absolute Maximum Rating

Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	V_R	30	V
Forward Continuous Current	I_F	200	mA
Power Dissipation	P_D	200	mW
Non-Repetitive Peak Forward Surge Current	I_{FSM}	600	mA
	$t=8.3ms$		
Soldering Temperature During	T_J	260	°C
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Operating Junction Temperature Range	T_J	-55 to 125	°C
Storage Temperature Range	T_{stg}	-55 to 150	°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 Voltage Leakage Current	I_R	$V_R = 25V$	-	-	10	μA
Forward Voltage	V_F	$I_F = 0.1mA$	-	-	0.24	V
	V_F	$I_F = 1mA$	-	-	0.32	
	V_F	$I_F = 10mA$	-	-	0.40	
	V_F	$I_F = 30mA$	-	-	0.50	
	V_F	$I_F = 100mA$	-	-	1.00	
Typical Junction Capacitance	C_J	$V_R = 1V, f = 1.0MHz$	-	2	-	pF
Reverse Recovery Time	T_{rr}	$I_F = I_R = 10mA, I_{(REC)} = 1mA$	-	4	-	ns

Outline Drawing –SOT-23



Marking Codes

Part Number	WSR3002T3
Marking Code	KL4

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.