



WSR3005D3A

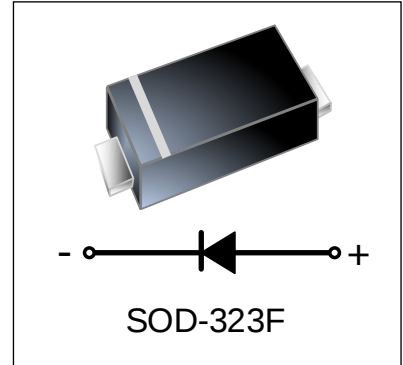
Schottky Barrier Diode

Features

- Low Forward Voltage Schottky Rectifier
- RoHS Compliant / Green EMC
- Matte Tin (Sn) Lead Finish
- Cathode Band / Device Marking

Applications

- Flat Lead SOD-323F Small Outline Plastic Package
- Fast Switching RF and Digital Applications
- Switch Mode Power Supply
- Inverse Polarity Protection
- Low Power Consumption Applications



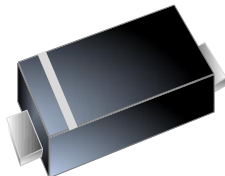
Absolute Maximum Rating

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
DC Blocking Voltage	V_R	20	V
Continuous Forward Current	I_O	0.5	A
Non-Repetitive Peak Forward Current @ $t=8.3ms$	I_{FSM}	5	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55~+150	°C

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Breakdown Voltage	V_{BR}	$I_R = 500\mu A$	30	-	-	V
Reverse Voltage Leakage Current	I_R	$V_R = 20V$	-	-	100	μA
Forward Voltage	V_F	$I_F = 100mA$	-	-	0.36	V
	V_F	$I_F = 500mA$	-	-	0.47	V

Outline Drawing – SOD323F

PACKAGE OUTLINE	 SOD-323F																																												
	DIMENSIONS <table><tr><th rowspan="2">SYMBOL</th><th colspan="2">MILLIMETER</th><th colspan="2">INCHES</th></tr><tr><th>MIN</th><th>MAX</th><th>MIN</th><th>MAX</th></tr><tr><td>A</td><td>1.60</td><td>1.80</td><td>0.063</td><td>0.071</td></tr><tr><td>B</td><td>0.06</td><td>0.21</td><td>0.002</td><td>0.008</td></tr><tr><td>C</td><td>0.30</td><td>0.50</td><td>0.012</td><td>0.020</td></tr><tr><td>D</td><td>0.25</td><td>0.40</td><td>0.010</td><td>0.016</td></tr><tr><td>E</td><td>2.30</td><td>2.70</td><td>0.091</td><td>0.106</td></tr><tr><td>F</td><td>0.60</td><td>0.75</td><td>0.024</td><td>0.029</td></tr><tr><td>G</td><td>1.15</td><td>1.35</td><td>0.045</td><td>0.053</td></tr></table>	SYMBOL	MILLIMETER		INCHES		MIN	MAX	MIN	MAX	A	1.60	1.80	0.063	0.071	B	0.06	0.21	0.002	0.008	C	0.30	0.50	0.012	0.020	D	0.25	0.40	0.010	0.016	E	2.30	2.70	0.091	0.106	F	0.60	0.75	0.024	0.029	G	1.15	1.35	0.045	0.053
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MOUNTING PAD	Notes 1. Controlling Dimensions in Millimeters. 2. Dimensions are exclusive of mold flash and metal burrs.																																												

Marking Codes

Part Number	WSR3005D3A
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.