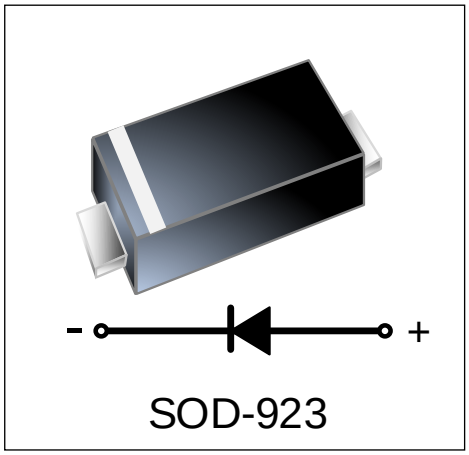
WSR3001D9

Schottky Barrier Diode



Features

- Low Forward Voltage Schottky Rectifier

Applications

- Low Voltage Rectification
- High Efficiency DC/DC Conversion
- Switch Mode Power Supply
- Inverse Polarity Protection
- Low Power Consumption Applications

Absolute Maximum Rating

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	30	V
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Continuous Forward Current	I_O	100	mA
Non-repetitive Peak Forward Current @t=8.3ms	I_{FSM}	0.6	A
Junction Temperature	T_J	125	℃
Storage Temperature	T_{STG}	-65 to +125	℃

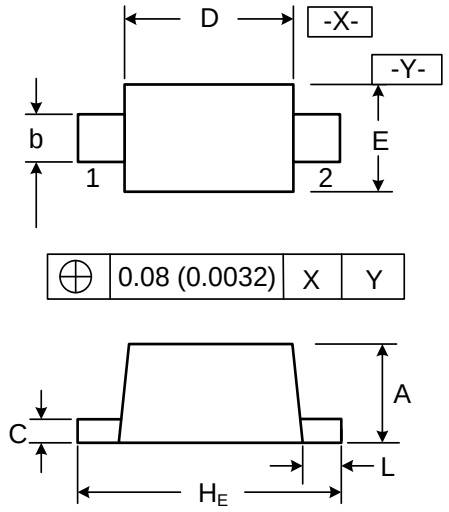
Electrical Characteristics (T_{amb}=25°C unless otherwise noted)

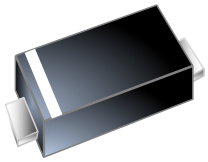
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	V_{BR}	I_R=10μA	30	-	-	V
Forward Voltage	V_F	I_F = 1.0mA	-	0.32	0.37	V
		I_F = 10mA	-	0.40	0.45	
		I_F = 30mA	-	0.47	0.55	
Reverse Current	I_R	V_R = 10V	-	-	0.5	μA

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Outline Drawing – SOD-923

PACKAGE OUTLINE

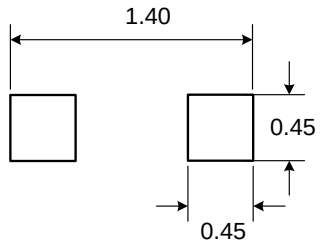




SOD-923

DIMENSIONS

SYMBOL	MILLIMETER		INCHES	
	MIN	MAX	MIN	MAX
A	0.39	0.45	0.015	0.018
b	0.15	0.30	0.006	0.012
C	0.06	0.20	0.002	0.008
D	0.70	0.90	0.028	0.035
E	0.55	0.65	0.026	0.028
H_E	0.90	1.10	0.035	0.043
L	0.05	0.15	0.002	0.006



DIMENSIONS: MILLIMETERS

Notes

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH THICKNESS. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL

Marking Codes

Part Number	WSR3001D9
Marking Code	C1

Package Information

Qty：10k/Reel

CONTACT INFORMATION

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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.