



WSR4002BF

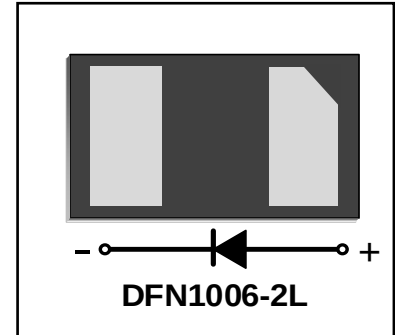
Schottky Barrier Diode

Features

- Low Forward Voltage
- High Reliability
- Small Outline Surface Mount Package
- RoHS Compliant / Green EMC

Applications

- Low Current Rectification
- High Speed Switch for Detection
- Inverse Polarity Protection
- Low Power Consumption Applications



Absolute Maximum Rating

Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	V_R	40	V
RMS Reverse Voltage	$V_{R(RMB)}$	21	V
Forward Continuous Current	I_F	200	mA
Non-Repetitive Peak Forward Surge Current @ $t=8.3ms$	I_{FSM}	1	A
Power Dissipation	P_D	100	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{stg}	-55 to 150	°C
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1000	°C/W

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	V_{BR}	$I_R = 100\mu A$	40	-	-	V
Reverse Voltage Leakage Current	I_R	$V_R = 10V$	-	-	1	μA
Forward Voltage	V_F	$I_F = 10mA$	-	-	0.45	V
		$I_F = 200mA$	-	-	0.60	

Typical Characteristics

Figure 1. Forward Characteristics

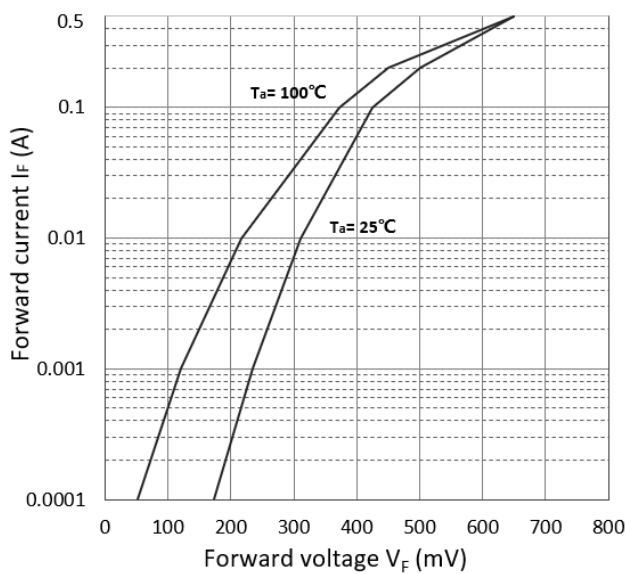
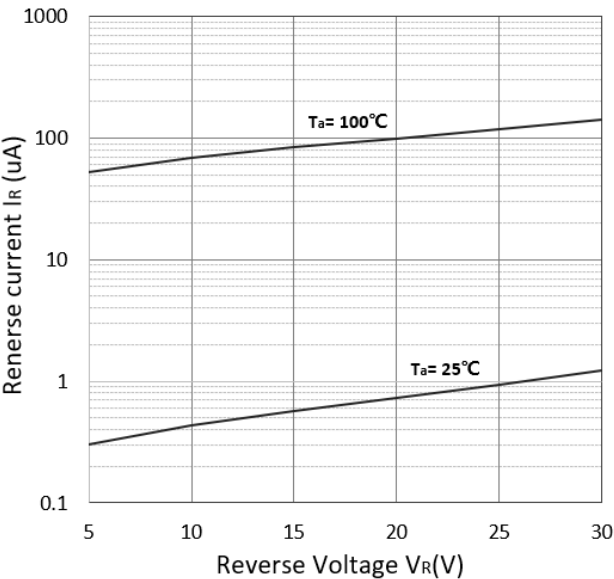
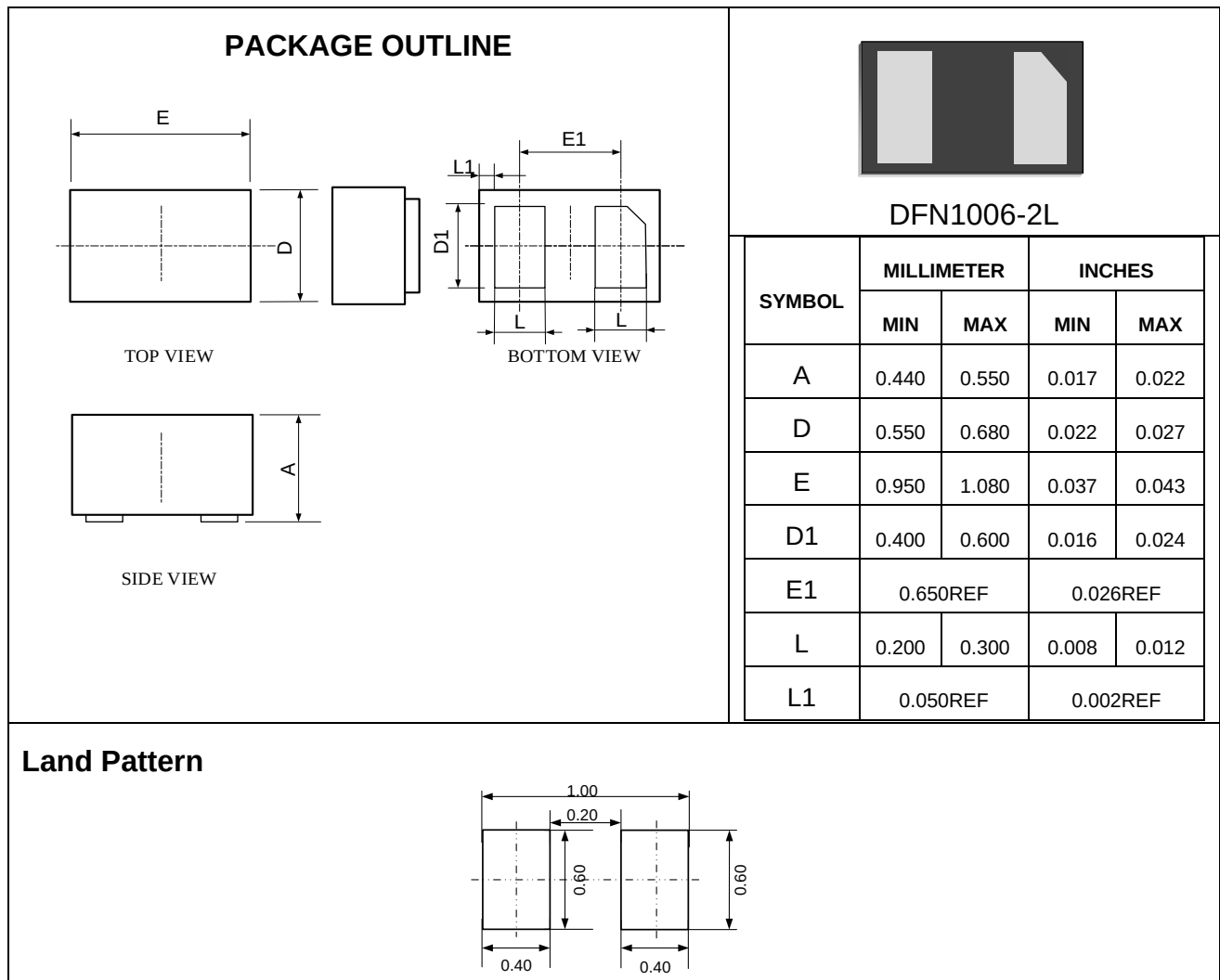


Figure 2. Reverse Characteristics



Outline Drawing –DFN1006-2L



Marking Codes

Part Number	WSR4002BF
Marking Code	

Package Information

Qty: 10k/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.