

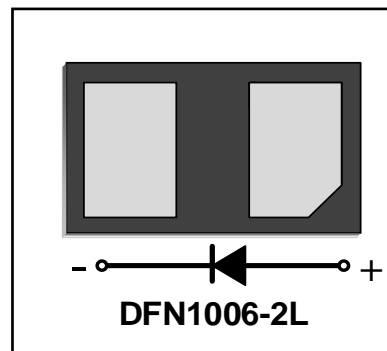
## Schottky Barrier Diode

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

Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	$V_R$	30	V
RMS Reverse Voltage	$V_{R(RMB)}$	21	V
Forward Continuous Current	$I_F$	200	mA
Non-Repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	$I_{FSM}$	1	A
Power Dissipation	$P_D$	100	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1000	$^{\circ}\text{C}/\text{W}$
Junction Temperature	$T_J$	125	$^{\circ}\text{C}$
Storage Temperature	$T_{stg}$	-55 to 150	$^{\circ}\text{C}$

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	$V_{BR}$	$I_R = 100\mu\text{A}$	30	-	-	V
Reverse Voltage Leakage Current	$I_R$	$V_R = 10\text{V}$	-	-	30	$\mu\text{A}$
Forward Voltage	$V_F$	$I_F = 10\text{mA}$	-	-	0.35	V
		$I_F = 200\text{mA}$	-	-	0.50	

## Typical Characteristics

Figure 1. Forward Characteristics

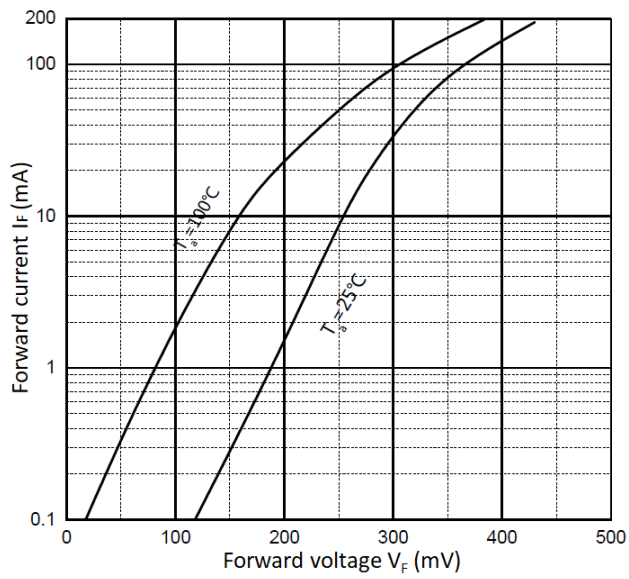
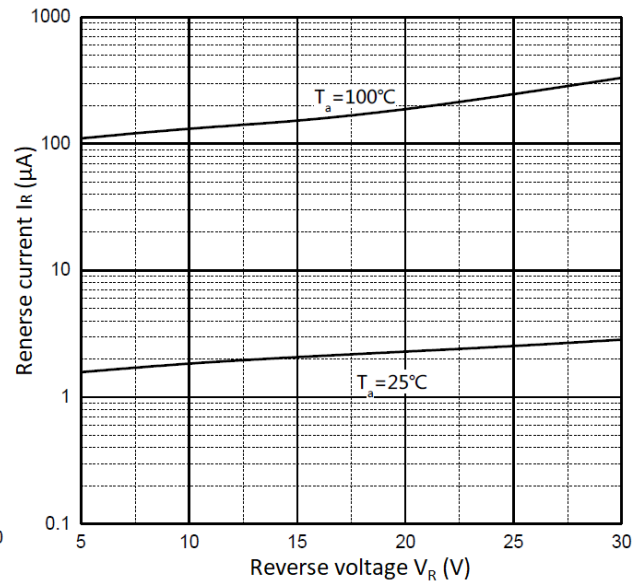
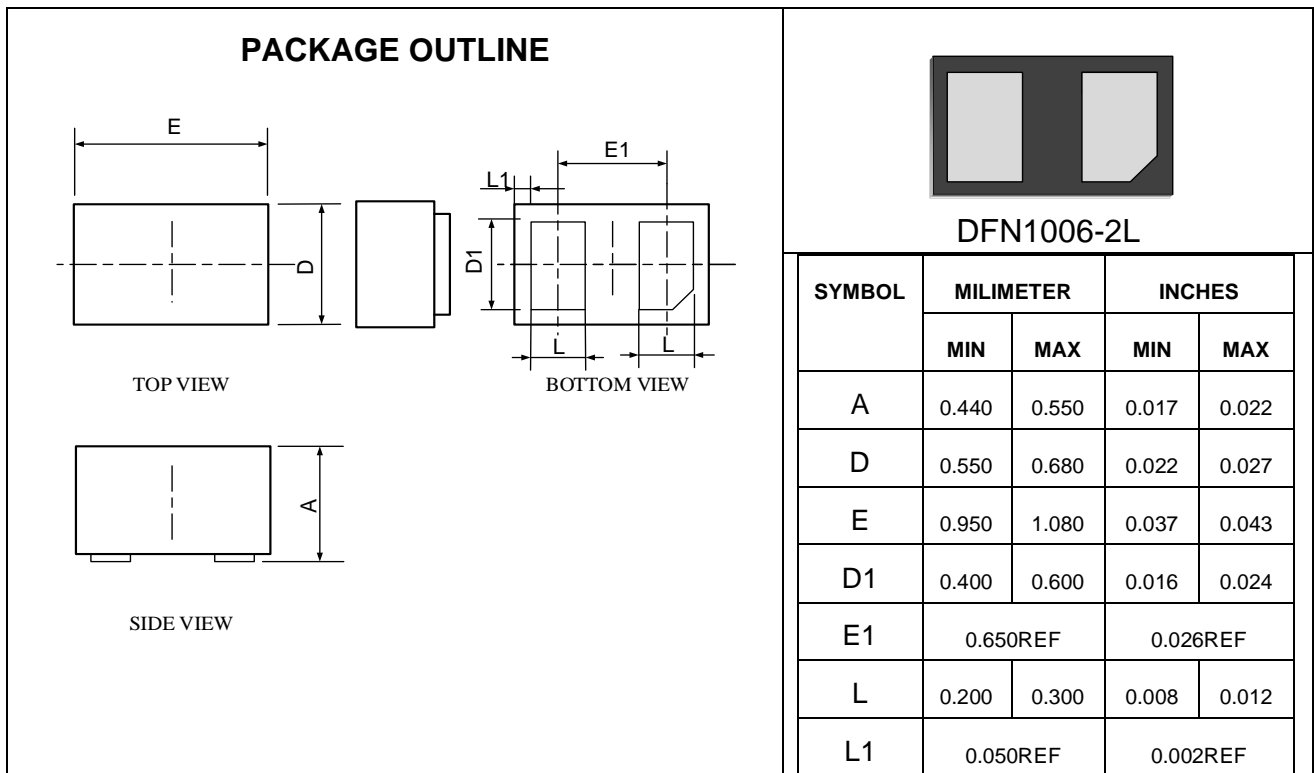


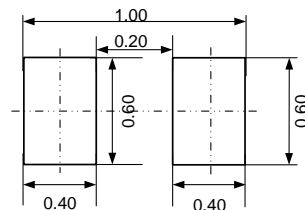
Figure 2. Reverse Characteristics



## Outline Drawing –DFN1006-2L



## Land Pattern



## Marking Codes

Part Number	WSR3002FH
Marking Code	

## 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.*