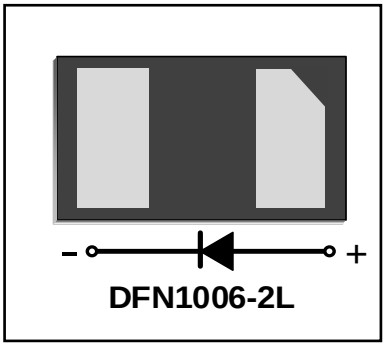
WSR3002BFH

Schottky Barrier Diode

Features

- Low Forward Voltage
- Low Current Rectification
- Small Outline Surface Mount Package
- Matte Tin Lead Finish(Pb-Free)
- RoHS Compliant / Green EMC



Applications

- 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	30	V
Power Dissipation	P_D	150	mW
Forward Continuous Current	I_F	200	mA
Non-Repetitive Peak Forward Surge Current	I_{FSM}	1	A
Junction Temperature	T_J	125	°C
Storage Temperature	T_{stg}	-55 to 125	°C

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	V_{BR}	I_R = 100μA	30	-	-	V
Reverse Voltage Leakage Current	I_R	V_R = 10V	-	-	30	μA
Forward Voltage	V_F	I_F = 10mA	-	-	0.35	V
		I_F = 200mA	-	-	0.5	

Typical Characteristics

Figure 1. Forward Characteristics

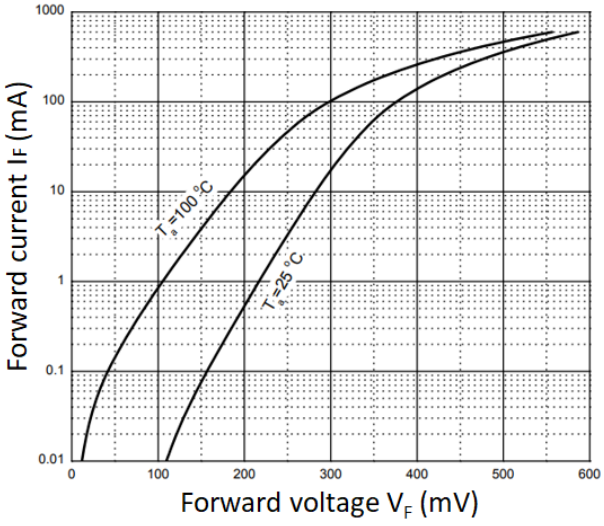


Figure 2. Reverse Characteristics

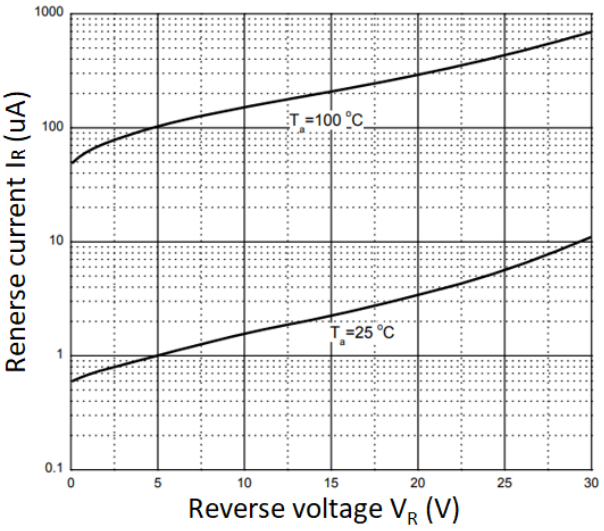


Figure 3. Capacitance Characteristics

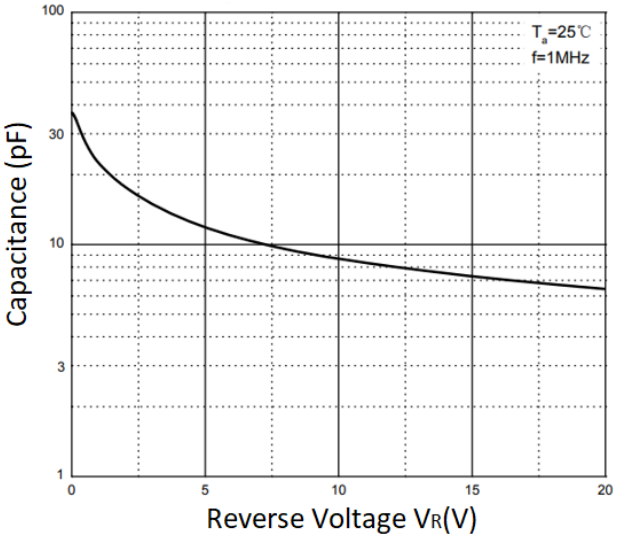
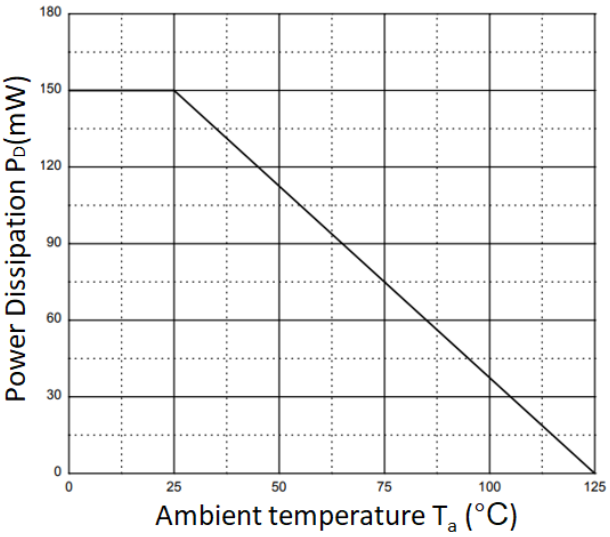
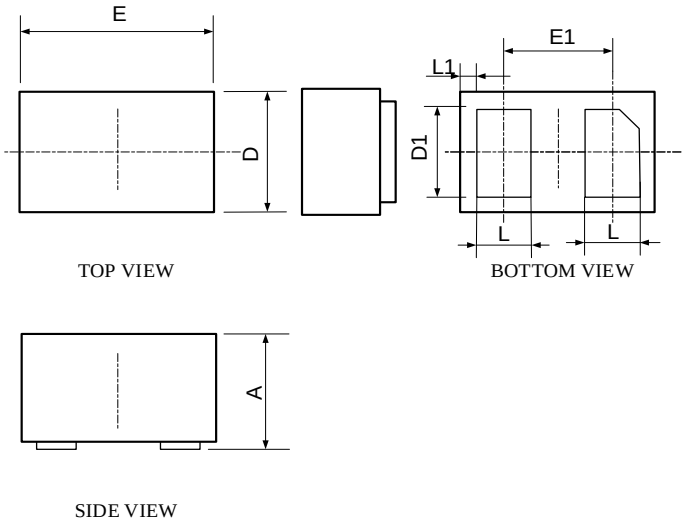


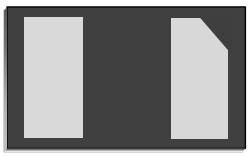
Figure 4. Power Derating Cure



Outline Drawing –DFN1006-2L

PACKAGE OUTLINE

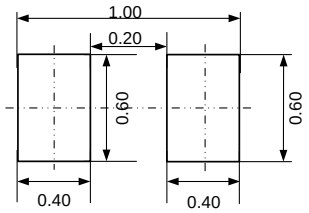




DFN1006-2L

SYMBOL	MILLIMETER		INCHES	
	MIN	MAX	MIN	MAX
A	0.440	0.550	0.017	0.022
D	0.550	0.680	0.022	0.027
E	0.950	1.080	0.037	0.043
D1	0.400	0.600	0.016	0.024
E1	0.650REF		0.026REF	
L	0.200	0.300	0.008	0.012
L1	0.050REF		0.002REF	

Land Pattern



Marking Codes

Part Number	WSR3002BFH
Marking Code	F

Package Information

Qty：10k/Reel

CONTACT INFORMATION

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WAYON website: **http://www.way-on.com**
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.