



WSR3002CFH

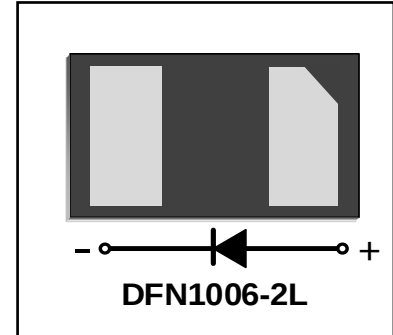
Schottky Barrier Diode

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	30	V
RMS Reverse Voltage	$V_{R(RMB)}$	21	V
Forward Continuous Current	I_F	200	mA
Non-Repetitive Peak Forward Surge Current @ t=8.3ms	I_{FSM}	1	A
Power Dissipation	P_D	100	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{stg}	-55 to 150	°C

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

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	$V_R = 10\text{V}$	-	-	10	μA
Forward Voltage	V_F	$I_F = 10\text{mA}$	-	0.23	0.29	V
		$I_F = 20\text{mA}$	-	0.26	0.32	
		$I_F = 50\text{mA}$	-	0.29	0.35	
		$I_F = 100\text{mA}$	-	0.34	0.40	
		$I_F = 200\text{mA}$	-	0.40	0.48	

Typical Characteristics

Figure 1. Forward Characteristics

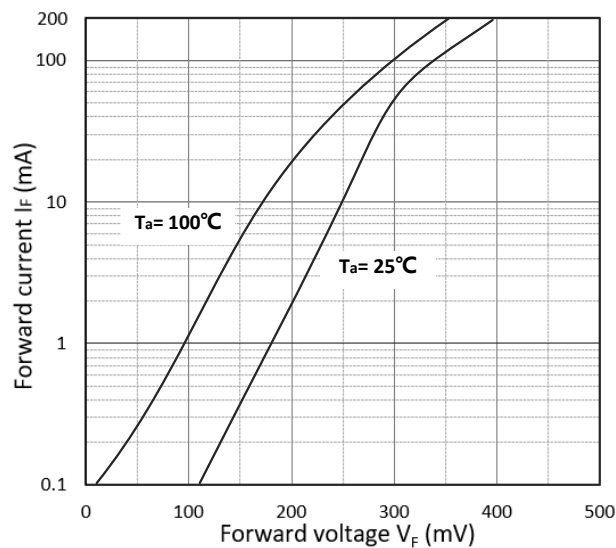


Figure 2. Reverse Characteristics

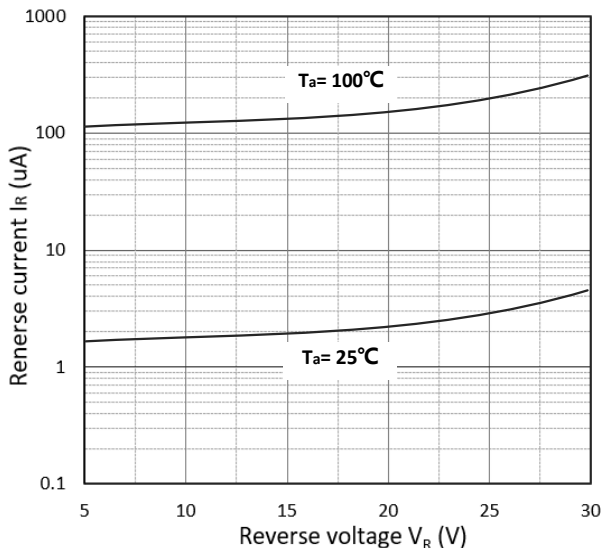


Figure 3. Capacitance Characteristics

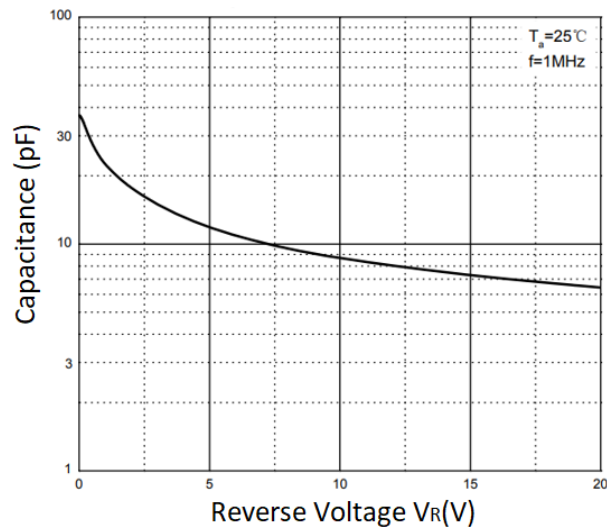
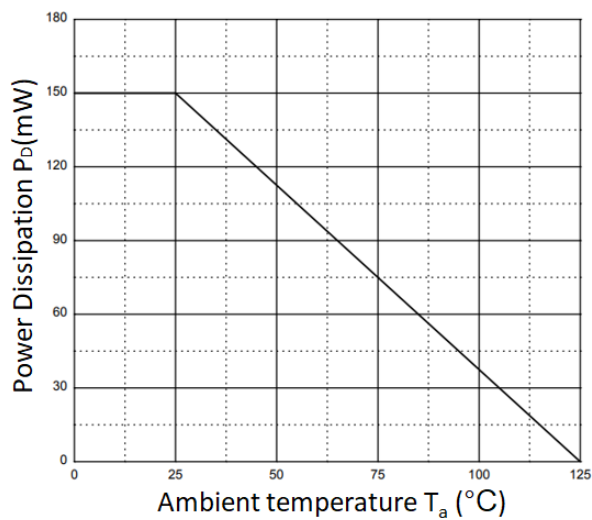
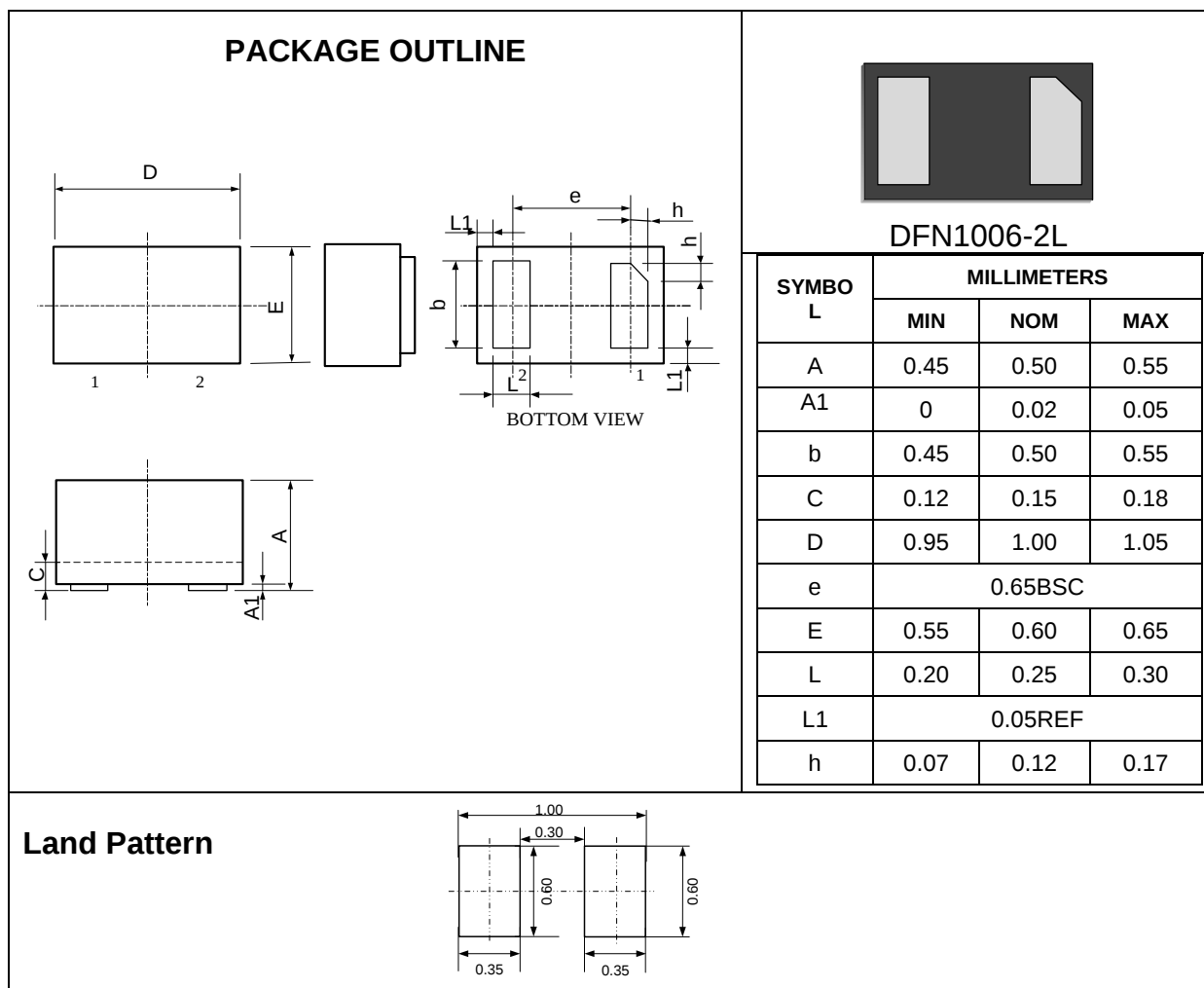


Figure 4. Power Derating Curve



Outline Drawing –DFN1006-2L



Marking Codes

Part Number	WSR3002CFH
Marking Code	

Package Information

Qty: 10k/Reel

CONTACT INFORMATION

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