



WSR40V3F

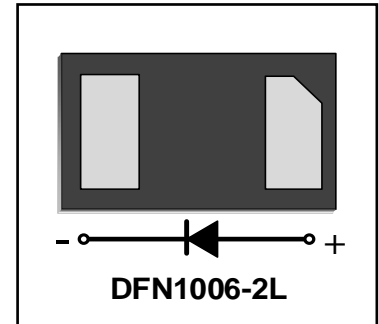
Schottky Barrier Diode

Features

- Low Forward Voltage Schottky Rectifier
- RoHS Compliant / Green EMC
- Matte Tin (Sn) Lead Finish
- Cathode Band / Device Marking

Applications

- Fast Switching RF and Digital Applications
- Switch Mode Power Supply
- Inverse Polarity Protection
- Low Power Consumption Applications
- Middle Current Rectification



Absolute Maximum Rating

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
DC Blocking Voltage	V_R	40	V
Average Rectified Output Current	I_o	30	mA
Non- Repetitive Peak Forward Surge Current	I_{FSM}	0.2	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55to+125	°C

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	V_{BR}	$I_R=0.1mA$	40	-	-	v
Reverse Voltage Leakage Current	I_R	$V_R = 30V$	-	-	0.5	μA
Diode Capacitance	C_D	$V_R = 1V, f = 1MHz$	-	2	-	pF
Forward Voltage	V_F	$I_F = 1mA$	-	-	0.37	V

Typical Characteristics

Figure 1. Forward Voltage V_F

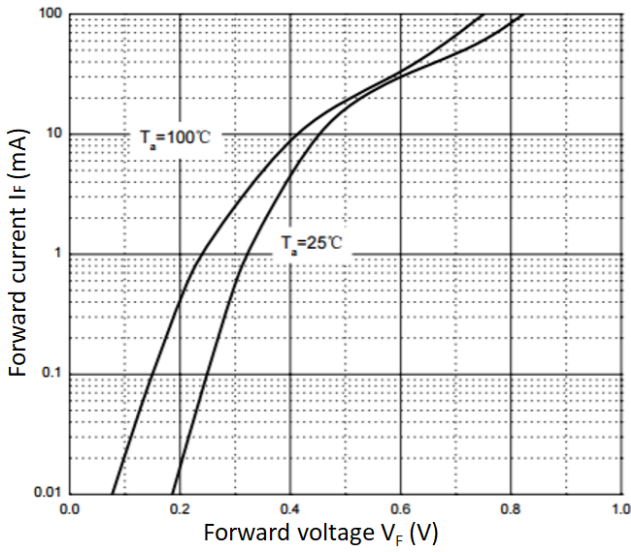
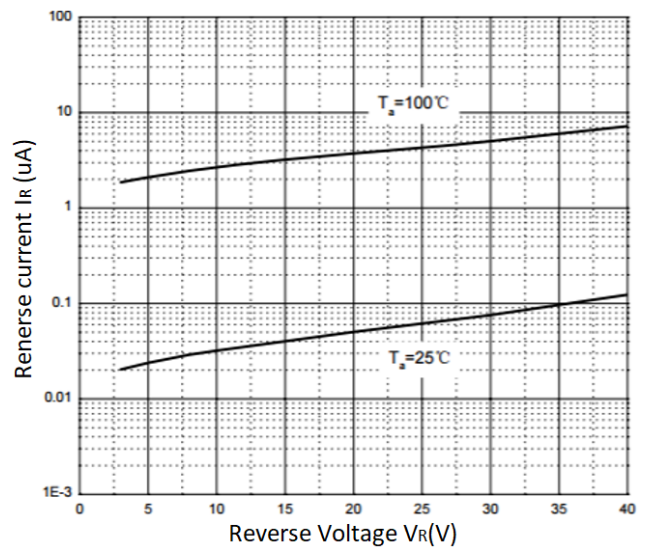
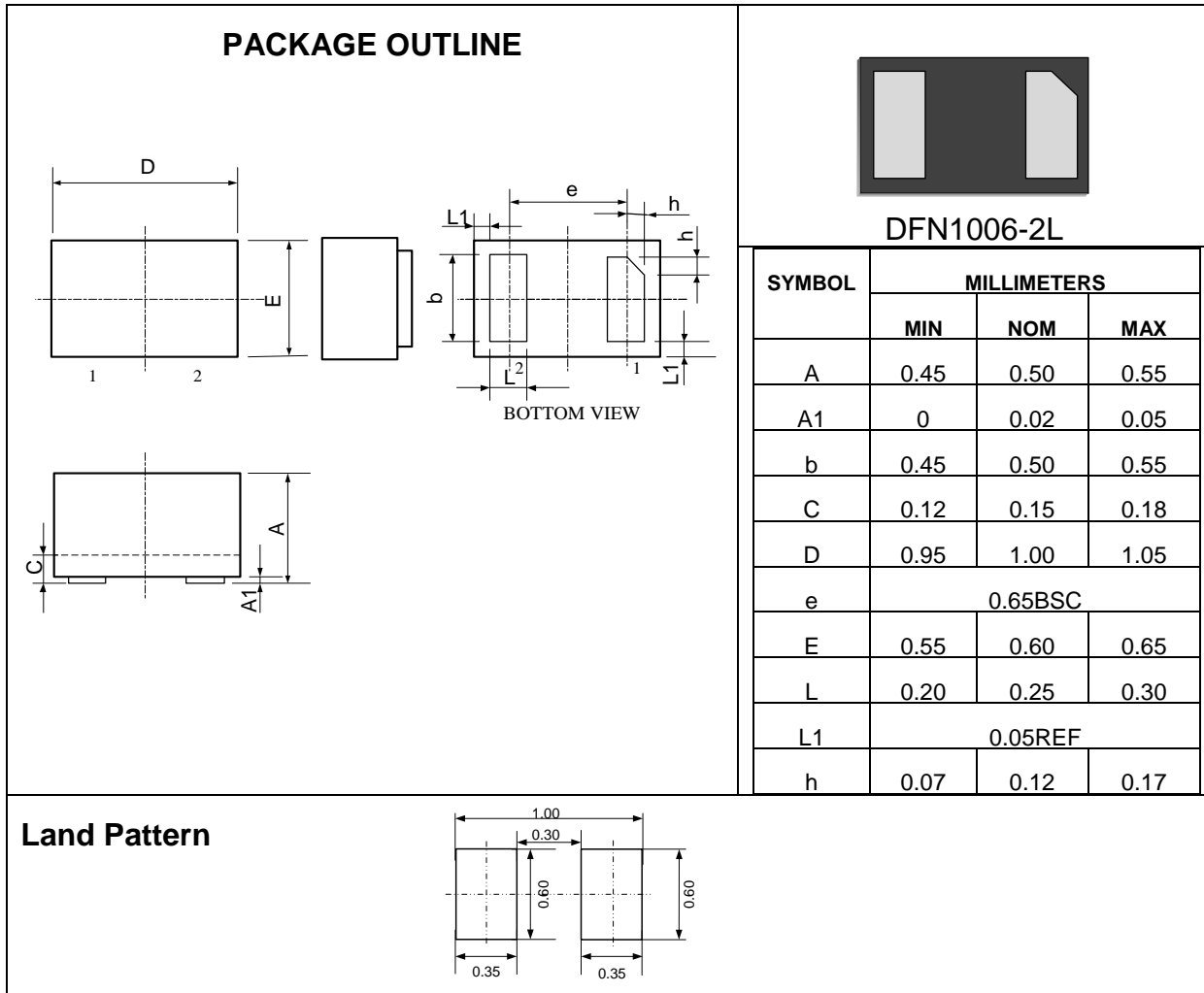


Figure 2. Reverse Characteristics



Outline Drawing –DFN1006-2L



Marking Codes

Part Number	WSR40V3F
Marking Code	

Package Information

Qty: 10k/Reel

CONTACT INFORMATION

No.1001, Shiwan (7) Road, Pudong District, Shanghai, P.R.China.201207

Tel: 86-21-68969993 Fax: 86-21-50757680 Email: market@way-on.comWAYON website: <http://www.way-on.com>

For additional information, please contact your local Sales Representative.

WAYON ® is registered trademark of Wayon Corporation.

*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.*