



## Product Overview

### NSR01L30MX: 30 V, 100 mA Low $I_R$ Schottky Diode

For complete documentation, see the data sheet

#### Product Description

This Schottky barrier diode is optimized for low leakage current applications. It is packaged in an ultra small x3DFN2 package that enables designers to meet the challenging task of achieving higher efficiency and meeting reduced space requirements.

#### Features

- Very Low Forward Voltage Drop - 350 mV @ 1 mA
- Low Reverse Current - 0.2  $\mu$ A @ 10 V
- ESD Rating - Human Body Model: Class 3B  
ESD Rating - Machine Model: Class C
- Pb and Halide Free Device
- 100 mA of Continuous Forward Current

#### Benefits

- Higher Efficiency
- Higher Efficiency
- ESD Robust
- Environmentally Safe

#### Applications

- LCD and Keypad Backlighting
- Camera Photo Flash
- Buck and Boost DC-DC Converters
- Reverse Voltage and Current Protection
- Clamping and Protection

#### End Products

- Mobile Handsets
- Wearables
- MP3 Players
- Digital Cameras and Camcorders
- GPS

#### Part Electrical Specifications

Product	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max ( $\mu$ A)	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_{rr}$ Max (ns)	$C_j$ Max (pF)	Package Type
NSR01L30MXT5G	Pb-free Halide free	Active	Single	30	0.35	0.2	0.1	2	-	0.8	X3DFN-2

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

Created on: 7/11/2015