



Product Overview

NSR01F30MX: 30 V, 100 mA Low V_F Schottky Diode

For complete documentation, see the [data sheet](#)

Product Description

The NSR01F30MX Schottky barrier diode is optimized for low forward voltage 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	Benefits
<ul style="list-style-type: none"> • Very Low Forward Voltage Drop - 350 mV @ 10 mA • Low Reverse current - 5 μA @ 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 	<ul style="list-style-type: none"> • Higher Efficiency • Higher Efficiency • ESD Robust • Environmentally Safe

Applications	End Products
<ul style="list-style-type: none"> • LCD and Keypad Backlighting • Camera Photo Flash • Buck and Boost DC-DC Converters • Reverse Voltage and Current Protection • Clamping and Protection 	<ul style="list-style-type: none"> • 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 (μ A)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_{rr} Max (ns)	C_j Max (pF)	Package Type
NSR01F30MXT5G	Pb-free Halide free	Active	Single	30	0.35	5	0.1	2	-	0.9	X3DFN-2

For more information please contact your local sales support at www.onsemi.com

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