

## Product Overview

### NSR201MX: Schottky Barrier Diode for Mixer and Detector

For complete documentation, see the data sheet.

NSR201MX is a RF schottky barrier diode, 2 V, 50 mA, 0.15 pF, Single X2DFN2. This schottky barrier diode is designed for high frequency application. It can be used widely for power detector of C Band and Mixer of Ku Band etc. X2DFN2 package size is 1.0 x 0.6 x 0.4 mm. It is the smallest level in the market. It also contributes to the downsizing of the PCB board.

#### Features

- Small Interterminal Capacitance  
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- Less Parasitic Components
- Small Forward Voltage
- Small-sized Package
- Pb-Free and RoHS compliance

#### Applications

- Mixer for submillimeterwave application
- Power detector for WiFi

#### Benefits

- Available for the high frequency application
- Realize the low signal loss
- Available for the high frequency application
- Contributes to the downsizing of the PCB board

#### End Products

- WiFi application
- Smart phone
- Vital sensor

#### Part Electrical Specifications

Product	Compliance	Status	Type	Configuration	$V_R$ Min (V)	$V_F$ Max (V)	$I_R$ Max ( $\mu$ A)	$I_F$ Max (A)	$C_j$ (pF)	$R_S$ Max ( $\Omega$ )	Package Type
NSR201MXT5G	Pb-free Halide free	Active	RF-SBD	Single	2	0.32		0.05	0.15	18	X2DFN-2

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

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