

## 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	Pricing (\$/Unit)	Compliance	Status	Type	Configuration	V <sub>R</sub> Min (V)	V <sub>F</sub> Max (V)	I <sub>R</sub> Max (μA)	I <sub>F</sub> Max (A)	C <sub>J</sub> (pF)	R <sub>S</sub> Max (Ω)	Package Type
NSR201MXT5G	0.1333	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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