

Product Overview

NSVR201MX: Schottky Barrier Diode for Mixer and Detector

For complete documentation, see the data sheet.

NSVR201MX is a RF schottky barrire diode with X2DFN2 package. It is device is suitable for mixer application of high frequency. Low forward voltage and low capacitance is enable use at high frequency such as submillimeter wave. The assumed application is an collision detection radar and doppler radar . X2DFN2 package size is 1.0x0.6x0.4mm. It is smallest level in the market. It contribute for downsizing PCB board. AEC-Q101 qualified and PPAP capable suitable for automotive applications.

Features

- Less Parasitic Components
- Small Interterminal Capacitance
- Small Forward Voltage
- Small-sized Package
- AEC-Q101 qualified and PPAP capable
- Pb-Free and RoHS compliance

Benefits

- Realize the low signal loss
- Available for the high frequency application.
- Available for the high frequency application.
- Contribute to the downsizing of the PCB board
- High quality

Applications

- Microwave and Milliwave Mixer for ADAS
- Microwave and Milliwave Detector for ADAS

End Products

- Automotive Applications

Part Electrical Specifications

| Product | Compliance | Status | Type | Configurati on | V_R Min (V) | V_F Max (V) | I_R Max (μ A) | I_F Max (A) | C_j (pF) | R_s Max (Ω) | Package Type |
|--------------|---|--------|--------|-------------------|---------------|------------------|-------------------------|---------------|------------|---------------------------|-----------------|
| NSVR201MXT5G | AEC Qualified PPAP Capable 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.

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