



## Product Overview

### NSR01F30NXT5G: Schottky Barrier Diode, 100 mA, 30 V

For complete documentation, see the data sheet

#### Product Description

The Schottky diodes are optimized for low forward voltage drop and low leakage current. The DSN2 Dual Silicon No lead package is a chip level package using solderable metal contacts under the package similar to DFN style packages. The DSN style package enables 100 percent utilization of the package area for active silicon offering a significant performance per board area advantage compared to products in plastic molded packages. The low thermal resistance enables designers to meet the challenging task of achieving higher efficiency and meeting reduced space requirements.

#### Features

- Low Forward Voltage Drop
- High Switching Speed
- Low Reverse Current

#### Benefits

- Reduces Power Dissipation
- Better Performance

#### Applications

- Buck and Boost DC-DC Converters
- Reverse Voltage and Current Protection

#### End Products

- Mobile Handsets
- MP3 Players
- Digital Camera & Camcorders

#### Part Electrical Specifications

Product	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max (uA)	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_{rr}$ Max (ns)	C Max (pF)	Package Type
NSR01F30NXT5G	Pb-free Halide free	Active	Single	30	0.37	7	0.1	4	-	7	DSN-2

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