



## Product Overview

### NSR20F30NX: Schottky Barrier Diode, 30 V, 2.0 A, Low $I_R$

For complete documentation, see the data sheet

#### Product Description

The Schottky diode is optimized for low forward voltage drop and low leakage current and are offered in a Chip Scale Package (CSP) to reduce board space. The low thermal resistance enables designers to meet the challenging task of achieving higher efficiency and meeting reduced space requirements.

#### Features

- Very Low Forward Voltage Drop (VF)
- Low Reverse Current (IR)
- High ESD Ratings: HMB(3B), MM(C)
- 2.0 A of continuous forward current

#### Benefits

- Longer battery life

#### Applications

- LCD and Keypad Backlighting
- Buck and Boost dc-dc converters
- Reverse Voltage and Current Protection

#### End Products

- GPS Systems
- Consumer/Portable Products
- Notebooks PCs & PDAs

#### 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)	$C_j$ Max (pF)	Package Type
NSR20F30NXT5G	Pb-free	Active	Single	30	0.48	20	2	28	-	-	DSN-2
	Halide free										

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