



## Product Overview

### NSR10F40NX: Schottky Barrier Diode, 40 V, 1.0 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)
- Very High Switching Speed
- ESD Rating Human Body Model: Class 3B  
Machine Model: Class C
- Low Reverse Current 10 A @ 10 V VR

#### Benefits

- Better Efficiency
- Better switching performance
- High ESD ratings

#### Applications

- LED Backlighting
- Reverse Voltage & Current Protection

#### End Products

- GPS Systems
- Portable/Consumer Products

#### Part Electrical Specifications

Product	Compliance	Status	Configurat ion	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max (uA)	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_r$ Max (ns)	$C_j$ Max (pF)	Package Type
NSR10F40NXT5G	Pb-free Halide free	Active	Single	40	0.49	10	1	18	-	-	DSN-2

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

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