



## Product Overview

### NTSV30100SG: Schottky Rectifier, Very Low Forward Voltage, 30 A, 100 V

For complete documentation, see the [data sheet](#)

#### Product Description

The NTSV30100SG is our new 30A 100V Very Low Forward Voltage Trench-based Schottky Rectifier. This new technology allows lower forward voltage drop without the high reverse leakage tradeoff experienced with planar schottky rectifiers. This platform also provides very stable switching characteristics over a wide temperature range and is an ideal output rectifier for switching power supplies including Notebook and Netbook Adapters, ATX and Flat Panel Display.

#### Features

- Fine Lithography Trenchbased Schottky Technology for Very Low Forward Voltage and Low Leakage
- Fast Switching with Exceptional Temperature Stability
- Low Power Loss and Lower Operating Temperature
- Higher Efficiency for Achieving Regulatory Compliance
- Low Thermal Resistance
- High Surge Capability
- These Devices are PbFree, Halide Free and are RoHS Compliant

#### Applications

- Switching Power Supplies including Notebook / Netbook Adapters, ATX and Flat Panel Display
- High Frequency and DC-DC Converters
- Freewheeling and OR-ing diodes
- Reverse Battery Protection
- Instrumentation

#### 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)	$t_r$ Max (ns)	$C_j$ Max (pF)	Package Type
NTSV30100SG	Pb-free	Active	Single	100	1.1	1000	30	100			TO-220-3
	Halide free										

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