

Product Overview

NTSS3100: Trench Schottky Rectifier Low Forward Voltage, 3A, 100V

For complete documentation, see the data sheet.

The NTSS3100 is Low Forward Voltage Trench-based Schottky Rectifier. This new technology allows low forward voltage drop without the high reverse leakage trade-off 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.

Features

- Fine Lithography Trench-based 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
- High Surge Capability
- These are Pb-Free and Halide-Free Devices

Applications

- Switching Power Supplies including Wireless, Smartphone and Notebook Adapters
- High Frequency and DC-DC Converters
- Freewheeling and OR-ing diodes
- Reverse Battery Protection
- Instrumentation

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (μ A)	$I_{O(Rec)}$ Max (A)	I_{FSM} Max (A)	t_{rr} Max (ns)	C_j Max (pF)	Package Type
NTSS3100T3G	0.0551	Pb-free Halide free non AEC-Q and PPAP	Active	Common Cathode	100	0.995	5	3	50	-	-	SMB-2

For more information please contact your local sales support at www.onsemi.com.

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