



Product Overview

NTS10100E: Trench Schottky Rectifier, Very Low Leakage, 10 A, 100 V

For complete documentation, see the data sheet

Product Description

The NTS10100EMFS is a very low leakage Trench-based Schottky Rectifier. This new technology allows low 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.

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 are PbFree and HalideFree Devices

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
- LED Lighting

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_{rr} Max (ns)	C, Max (pF)	Package Type
NRVTS10100EMFST1 G	AEC Qualified PPAP Capable Pb-free Halide free	Active		100	0.72	50	10	200			SO-8FL / DFN-5
NRVTS10100EMFST3 G	AEC Qualified PPAP Capable Pb-free Halide free	Active		100	0.72	50	10	200			SO-8FL / DFN-5
NTS10100EMFST1G	AEC Qualified Pb-free Halide free	Active		100V	0.72	50	10	200			SO-8FL / DFN-5
NTS10100EMFST3G	AEC Qualified Pb-free Halide free	Active		100V	0.72	50	10	200			SO-8FL / DFN-5

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

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