



Product Overview

NTS8100MFS: 8 A, 100 V Very Low Forward Voltage Trench-based Schottky Rectifier

For complete documentation, see the data sheet

Product Description

The NTS8100MFS is our new Dual 8A 100V Very Low Forward Voltage Trench-based Dual 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.

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 DCDC 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
NRVTS8100MFST1G	AEC Qualified PPAP Capable Pb-free Halide free	Active		100	0.73	70	8	150			SO-8FL / DFN-5
NRVTS8100MFST3G	AEC Qualified PPAP Capable Pb-free Halide free	Active		100	0.73	70	8	150			SO-8FL / DFN-5
NTS8100MFST1G	AEC Qualified Pb-free Halide free	Active		100	0.73	70	8	150			SO-8FL / DFN-5
NTS8100MFST3G	AEC Qualified Pb-free Halide free	Active		100	0.73	70	8	150			SO-8FL / DFN-5

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

Created on: 7/11/2015