



Product Overview

NTS245: Trench Schottky Rectifier, 45V, 2A

For complete documentation, see the data sheet

Product Description

The NTS245SF 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
- Low Thermal Resistance
- High Surge Capability
- These are Pb-Free and Halide-Free Devices

Applications

- Switching Power Supplies including Compact Adapters 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_{rr} Max (ns)	C_j Max (pF)	Package Type
NTS245SFT1G	AEC Qualified	Active		45	0.63	90					SOD123-2
	Pb-free										
	Halide free										
NTS245SFT3G	AEC Qualified	Active		45	0.63	90					SOD123-2
	Pb-free										
	Halide free										

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