



Product Overview

NTST20120CTG: Schottky Rectifier, Low Forward Voltage, Dual, 20 A, 120 V

For complete documentation, see the data sheet

Product Description

The NTST20120CTG is our new 20A 120V 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 including Notebook and Netbook Adapters, ATX and Flat Panel Display.

Features

- Fine Lithography Trenchbased Schottky Technology for Very Low Forward Voltage
- Fast Switching with Exceptional Temperature Stability
- Low Power Loss and Lower Operating Temperature
- Higher Efficiency for Achieving Regulatory Compliance
- High Surge Capability
- PbFree Packages are Available

Applications

- Switching Power Supplies including Notebook / Netbook Adapters, ATX and Flat Panel Display
- High Frequency and DCDC Converters
- Freewheeling and ORing 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
NTSB20120CT-1G	Pb-free	Active	Common Cathode	120	1.1	700	20	120			I ² PAK-3
NTSB20120CTG	Pb-free	Active	Common Cathode	120	1.1	700	20	120			D ² PAK-3
	Halide free										
NTSB20120CTT4G	Pb-free	Active	Common Cathode	120	1.1	700	20	120			D ² PAK-3
	Halide free										
NTSJ20120CTG	Pb-free	Active	Common Cathode	120	1.1	700	20	120			TO-220 FULLPAK-3
	Halide free										
NTST20120CTG	Pb-free	Active	Common Cathode	120	1.1	700	20	120			TO-220-3

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

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