



Product Overview

NTST40100CTG: Schottky Power Rectifier, Dual, 40 A, 100 V

For complete documentation, see the data sheet

Product Description

The NTST40100CTG is our new Dual 40A 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 including Notebook and Netbook Adapters, ATX and Flat Panel Display.

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
- PbFree and HalideFree 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	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_j Max (pF)	Package Type
NTSB40100CT-1G	Pb-free	Active	Dual Common Cathode	100	0.8	1000	40	250			I ² PAK-3
NTSB40100CTG	Pb-free Halide free	Active	Dual Common Cathode	100	0.8	1000	40	250			D ² PAK-3
NTSB40100CTT4G	Pb-free Halide free	Active	Dual Common Cathode	100	0.8	1000	40	250			D ² PAK-3
NTSJ40100CTG	Pb-free Halide free	Active	Dual Common Cathode	100	0.8	1000	40	250			TO-220 FULLPAK- 3
NTST40100CTG	Pb-free	Active	Dual Common Cathode	100	0.8	1000	40	250			TO-220-3

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

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