

## Product Overview

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

For complete documentation, see the data sheet.

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	Pricing (\$/Unit)	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max ( $\mu$ A)	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_r$ Max (ns)	$C_j$ Max (pF)	Package Type
NTSB20120CT-1G	0.4955	Pb-free	Active	Common Cathode	120	1.1	700	20	120	-	-	D <sup>2</sup> PAK-3
NTSB20120CTG	0.3977	Pb-free Halide free	Active	Common Cathode	120	1.1	700	20	120	-	-	D2PAK-3 / TO-263-2
NTSB20120CTT4G	0.4172	Pb-free Halide free	Active	Common Cathode	120	1.1	700	20	120	-	-	D2PAK-3 / TO-263-2
NTST20120CTG	0.3891	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](http://www.onsemi.com).

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