

Product Overview

NTST30120CTG: Schottky Rectifier, Low Forward Voltage, Dual, 30 A, 120 V

For complete documentation, see the data sheet.

The NTST30120CTG is our new 30A 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
- High Frequency and DCDC Converters

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 (μ A)	$I_{O(Rec)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
NTSB30120CT-1G	Pb-free	Active	Common Cathode	120	1.08	800	30	150	-	-	D ² PAK-3
NTSB30120CTG	Pb-free Halide free	Active	Common Cathode	120	1.08	800	30	150	-	-	D2PAK-3 / TO-263-2
NTSB30120CTT4G	Pb-free Halide free	Active	Common Cathode	120	1.08	800	30	150	-	-	D2PAK-3 / TO-263-2
NTST30120CTG	Pb-free	Active	Common Cathode	120	1.08	800	30	150	-	-	TO-220-3

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

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