

Product Overview

NTST30U100CTG: Schottky Power Rectifier, Dual, 30 A, 100 V

For complete documentation, see the data sheet.

The NTST30U100CTG is our new 30A 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	Pricing (\$/Unit)	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (μ A)	$I_{O(ree)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
NTSB30U100CT-1G	0.5891	Pb-free	Active	Common Cathode	100	0.8	675	30	160			D ² PAK-3
NTSB30U100CTG	0.5067	Pb-free Halide free	Active	Common Cathode	100	0.8	675	30	160			D2PAK-3 / TO-263-2
NTSB30U100CTT4G	0.5836	Pb-free Halide free	Active	Common Cathode	100	0.8	675	30	160			D2PAK-3 / TO-263-2
NTST30U100CTG	0.3586	Pb-free	Active	Common Cathode	100	0.8	675	30	160			TO-220-3

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

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