

Product Overview

NRVTSAF360: Trench Schottky Rectifier, Low Forward, 60V, 3A in SMA-FL package

For complete documentation, see the data sheet.

The NRVTSAF360 is a Low Forward Trench-based Schottky Rectifier. This new technology allows low forward voltage drop without the high reverse leakage trade-off 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.

Features

- Fine Lithography Trench-based 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
- High Surge Capability
- NRV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable
- These are Pb-Free and Halide-Free Devices

Applications

- Switching Power Supplies including Tablet Adapters, and Flat Panel Display
- High Frequency and DC-DC Converters
- Freewheeling and OR-ing diodes
- Reverse Battery Protection
- Instrumentation

Part Electrical Specifications

| Product | Pricing (\$/Unit) | Compliance | Status | Type | $I_{O(rec)}$ Max (A) | t_{rr} Max (ns) | V_{RRM} Max (V) | V_{FM} Max (V) | I_{FSM} Max (A) | I_R Max (mA) | Package Type |
|---------------|-------------------|---|--------|----------|----------------------|-------------------|-------------------|------------------|-------------------|----------------|--------------|
| NRVTSAF360T3G | 0.1615 | AEC Qualified PPAP Capable Pb-free Halide free | Active | Schottky | 3 | - | 60 | 0.64 | 100 | 0.05 | SMA-FL |

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

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