

## Product Overview

### NRVTSAF260E: Very Low Forward Voltage Trench-based Schottky Rectifier

For complete documentation, see the data sheet.

The NRVTSAF260E 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
- Low Thermal Resistance
- 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 Compact 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)	$t_r$ Max (ns)	$V_{RRM}$ Max (V)	$V_{FM}$ Max (V)	$I_{FSM}$ Max (A)	$I_R$ Max (mA)	Package Type
NRTSAF260ET3G	0.0497	Pb-free Halide free	Active		2	-	60	0.65	25	0.012	SMA-FL
NRVTSAF260ET3G	0.0683	AEC Qualified PPAP Capable Pb-free Halide free	Active	Schottky	2	-	60	0.65	25	0.012	SMA-FL

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