

NTS860E

Trench Schottky Rectifier, 8A, 60V Very Low Leakage

Product Overview

For complete documentation, see the data sheet.

The NRVTS860EMFS is Very Low Leakage Trench-based Schottky Rectifier. This new technology allows low 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.

Features

- Fine Lithography Trench-based Schottky Technology for Very 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
- These are Pb-Free and Halide-Free Devices

Applications

- Switching Power Supplies including Wireless, Smartphone and Notebook Adapters
- High Frequency and DC-DC Converters
- Freewheeling and OR-ing diodes
- Reverse Battery Protection
- LED Lighting

Benefits

- AEC-Q101, Qualified and PPAP Capable

End Products

- General Converters
- Lighting
- Gasoline Direct Injection

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	V _{RRM} Min (V)	V _F Max (V)	I _{RM} Max (μA)	I _{O(rec)} Max (A)	I _{FSM} Max (A)	t _{rr} Max (ns)	C _i Max (pF)	Package Type
NRVTS860EMF ST1G	0.2192		Active	Single	60	0.62	45	8	150	-	-	SO-8FL / DFN-5
NRVTS860EMF ST3G	0.2192		Active	Single	60	0.62	45	8	150	-	-	SO-8FL / DFN-5