

# NRVB1045MFS

## 10A, 45 V Schottky Power Rectifier in SO-8FL

### Product Overview

For complete documentation, see the data sheet.

10A, 45 V Schottky Power Rectifier in SO-8FL

#### Features

- Low Power Loss / High Efficiency
- New Package Provides Capability of Inspection and Probe After Board Mounting
- Guardring for Stress Protection
- Low Forward Voltage Drop
- 150°C Operating Junction Temperature
- Wettable Flacks Option Available
- NRVB 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

#### Benefits

- Automotive Grade Circuit

#### Applications

- Automotive engine control modules
- Automotive infotainment modules
- Automotive LED headlighting
- Compact notebook adapters
- High frequency SMPS

#### End Products

- Automotive

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	V <sub>RRM</sub> Min (V)	V <sub>F</sub> Max (V)	I <sub>RM</sub> Max (µA)	I <sub>O(rec)</sub> Max (A)	I <sub>FSM</sub> Max (A)	t <sub>rr</sub> Max (ns)	C <sub>J</sub> Max (pF)	Package Type
NRVB1045MFST 1G	0.4548		Active	Single	45	0.62	500	10	150	-	300	SO-8FL / DFN-5
NRVB1045MFST 3G	0.4548		Active	Single	45	0.62	500	10	150	-	300	SO-8FL / DFN-5