

Product Overview

NRVHP8H200MFD: Switch-Mode Power Rectifier

For complete documentation, see the data sheet.

This ultrafast rectifier in the dual flag SO-8 flat lead package offers designers a unique degree of versatility and design freedom. The two devices are electrically independent and can be used separately, as common cathode, as common anode or in series as a function of board level layout. The exposed pad design provides low thermal resistance. The clip attach design creates a package with very efficient die size to board area ratio. While thermal performance is nearly the same as the DPAK package height and board footprint are less than half.

Features

- New Package Provides Capability of Inspection and Probe After Board Mounting
- Low Forward Voltage Drop
- 175°C Operating Junction Temperature
- 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

- Excellent Alternative to DPAK in Space-Constrained Automotive Applications
- Output Rectification in Switching Power Supplies
- Freewheeling Diode used with Inductive Loads

Part Electrical Specifications

Product	Compliance	Status	Type	$I_{Q(rec)}$ Max (A)	t_{rr} Max (ns)	V_{RRM} Max (V)	V_{FM} Max (V)	I_{FSM} Max (A)	I_R Max (mA)	Package Type
NRVHP8H200MFD1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	8	30	200	1.05	75	0.0005	SO-8FL Dual / DFN-8
NRVHP8H200MFDT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	8	30	200	1.05	75	0.0005	SO-8FL Dual / DFN-8
NRVHP8H200MFDWF1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	8	30	200	1.05	75	0.0005	SO-8FL Dual / DFN-8
NRVHP8H200MFDWF3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	8	30	200	1.05	75	0.0005	SO-8FL Dual / DFN-8

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