

## Product Overview

### NHPV08S600: Power Rectifier, Ultrafast, 8.0 A, 600 V

For complete documentation, see the data sheet.

The NHPV08S600 is our new Dual 15A 600V Low Reverse Recovery Time Planar-based Ultrafast Rectifier. This new technology allows reduced losses due to low reverse recovery time and low reverse recovery charge. This platform also provides lower noise and better EMI performance. Primary application in CCM PFC applications. Secondary application involves Clamping, Flyback Diode and freewheeling applications.

### Features

- Ultrafast 30 Nanosecond Recovery Time
- 150C Operating Junction Temperature
- High Voltage Capability of 600 V
- Low Forward Drop
- Low Leakage Specified @ 125C Case Temperature
- These Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant

### 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
NHPV08S600G	0.436	Pb-free	Active	Ultrafast	8	50	600	2.9	80	0.03	TO-220-2

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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