



## Product Overview

### NHPV15S600: Power Rectifier, Switch-mode, Planar UltraFast, 600 V, 15 A

For complete documentation, see the [data sheet](#)

#### Product Description

The NHPV15S600 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
- ESD Ratings:  
Machine Model = C  
Human Body Model = 3A
- Low Forward Drop
- Low Leakage Specified @ 125C Case Temperature
- NHPJ15S600G is HalogenFree/BFRFree

#### Part Electrical Specifications

Product	Compliance	Status	Type	$I_{O(rec)}$ Max (A)	$t_{rr}$ Max (ns)	$V_{RRM}$ Max (V)	$V_{FM}$ Max (V)	$I_{FSM}$ Max (A)	$I_R$ Max (mA)	Package Type
NHPJ15S600G	Pb-free	Active	Ultrafast	15	50	600	2.9	150	0.06	TO-220 FULLPAK-2
	Halide free									
NHPV15S600G	Pb-free	Active	Ultrafast	15	50	600	2.9	150	0.06	TO-220-2

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

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