

Product Overview

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

For complete documentation, see the data sheet.

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 | 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 |
|-------------|-------------------|------------|--------|-----------|----------------------|----------------|-------------------|------------------|-------------------|----------------|--------------|
| NHPV15S600G | 0.6667 | 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.

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