

## 产品概览

### NVH820S75L4SPB: Automotive 750V, 820A Single Side Direct Cooling 6-Pack Power Module

欲看完整文档，请参阅数据表。



The NVH820S75L4SPB is a power module from the VE-Trac™ Direct family of highly integrated power modules with industry-standard footprints for Hybrid and Electric Vehicle (HEV) traction inverter application.

The module integrates six Field Stop 4 (FS4) 750V Narrow Mesa IGBTs in a 6-pack configuration. FS4 IGBTs show low power losses during lighter loads, which helps to improve overall system efficiency in automotive applications. For assembly ease and reliability, a new generation of press-fit pins is integrated into the power module signal terminals.

#### 特性

- Direct Cooling with Integrated Pin-Fin Heatsink
- Ultra-low Stray Inductance
- $T_{jmax} = 175^{\circ}\text{C}$  continuous operation
- Low  $V_{CESAT}$  and Switching losses
- AQC324 Qualified FS4 750V Narrow Mesa IGBT
- Highly Integrated 6-pack Topology

#### 应用

- Converter DC Battery Output to Power AC Traction Motors
- High Power DC-DC Converter

#### 优势

- Low System Cost
- Lower Energy Losses
- Higher Inverter Peak Output Power
- Improved Inverter Efficiency
- Optimized for Automotive Traction Applications
- Easy Design and Integration

#### 终端产品

- Main Traction Inverter for Battery Electric Vehicle, Plug-in Hybrid Vehicles, and Full Hybrid Vehicles

#### 器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Configuration	$V_{BR}$ Max (V)	Rated Current (A)	$V_{CE(sat)}$ Typ (V)	$V_F$ Typ (V)	Application	Package Type
NVH820S75L4SPB	429.3226	Pb-free Halide free non AEC-Q and PPAP	NEW	Six Pack	750	820	1.3	1.7	Automotive	SSDC33, 154.50x92.0 (SPB)

欲了解更多信息，请联系您当地的销售支援 [www.onsemi.cn](http://www.onsemi.cn)。

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