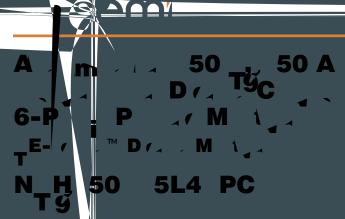
DATA SHEET



Product Description

The NVH950S75L4SPC is a power module from the VE-Trac[™] Direct family of highly integrated power modules with industry standard footerpatk fconflybridio(HEW)chnekdelsciricp/Velidileg high) and Elr2259id (HE.85(eh)5 for H2(eh30r8 r907IG/BT0)7ij/To)7 current density, while offering robust short circuit protection and increased blocking voltage. Additionally, FS4 750 V Narrow Mesa 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 are integrated into the power module signal terminals. In addition, the

ï

1

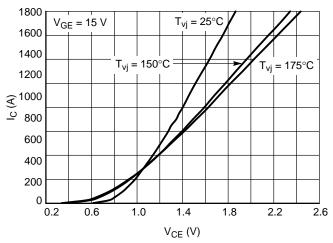
MODULE CHARACTERISTICS ($T_{vj} = 25^{\circ}C$, Unless Otherwise Specified)

Symbol

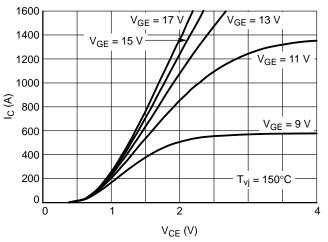
Parameter

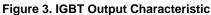
Rating

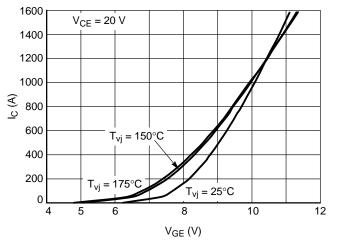














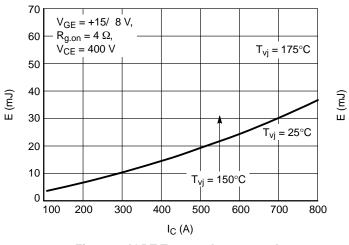
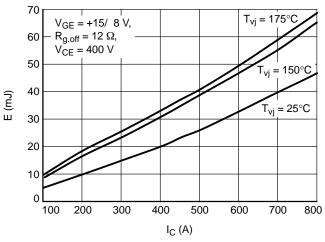
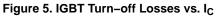
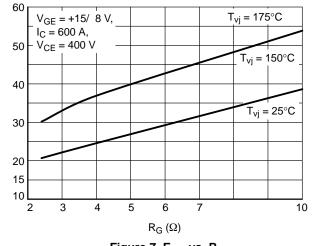


Figure 6. IGBT Turn-on Losses vs. I_C

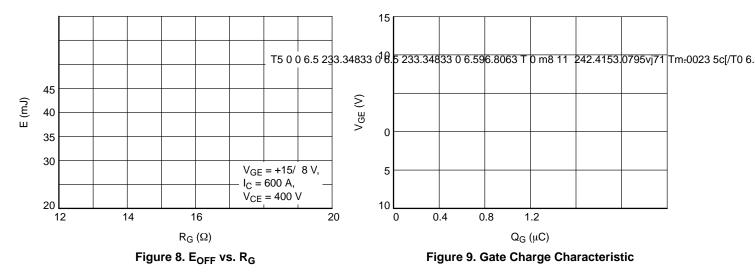


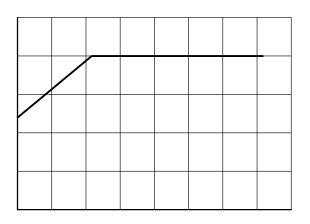


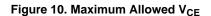




TYPICAL CHARACTERISTICS







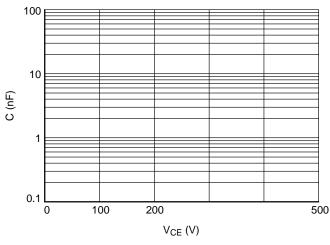


Figure 12. Capacitance Characteristic

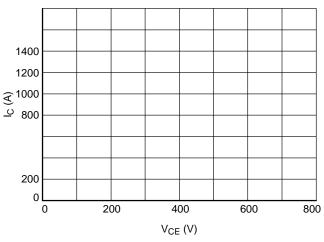


Figure 11. Reverse Bias Safe Operating Area

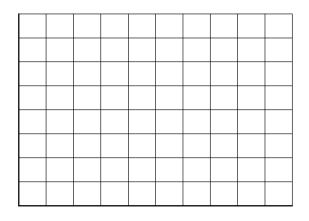


Figure 13. Diode Forward Characteristic

SSDC33, 154.50x92.0 (SPC) CASE 183AC ISSUE A :

5 5 5

• • •

:

-

:

=

DATE 11 DEC 2019

onsemi, , and other names, marks, and brands are registered and/or common law trademarks of Semiconductor Components Industries, LLC dba "onsemi" or its affiliates and/or subsidiaries in the United States and/or other countries. onsemi owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of onsemi's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. Onsemi reserves the right to make changes at any time to any products or information herein, without notice. The information herein is provided "as-is" and onsemi makes no warranty, representation or guarantee regarding the accuracy of the information, product features, availability, functionality, or suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or incruit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using onsemi