



2015 Super 12 Products

VOW3120

Widebody 2.5 A IGBT and MOSFET
Driver



A **WORLD OF**
SOLUTIONS

VOW3120

Widebody High-Isolation and High-Creepage at >10 mm IGBT and MOSFET Driver

- Features:
 - 1414 V working voltage with 2.5 A peak output current enables direct driving of high power IGBTs up to 1200 V / 100 A
 - 8000 V transient voltage and superior common mode rejection (CMR) up to 50000 V/ μ s for improved noise isolation
 - Integrated undervoltage lockout function protects IGBTs in case of supply voltage failure
 - Wide operating supply voltage range up to 32 V saves voltage regulator
 - 1:1 replacement and industry standard second source



VOW3120

- Applications / Market Segments:
 - Industrial:
 - 1 to 3 phase inverters
 - Fixed and variable frequency industrial motor drives
 - Inverter stage in welding equipment
 - Alternative energy: voltage converter stage in commercial and residential solar inverters
 - Automotive: inverter stage in EV and plug-in HEV chargers



- Datasheet document number: 82442
- Product page: www.vishay.com/ppg?82442
- Product sheet: www.vishay.com/doc?49473
- Product overview: www.vishay.com/doc?49185
- Trade show brochure: www.vishay.com/doc?49592
- Press release: www.vishay.com/company/press/releases/2014/140325Opto/index.html
- Application note: www.vishay.com/doc?81227

VOW3120

- Competition:
 - Avago: HCNW3120
- Why use VOW3120?
 - Second source to Avago HCNW3120 with better CMR performance
 - Fully isolated and integrated IGBT driver with up to 1200 V working voltage
 - Powerful 2.5 A which can directly drive large IGBTs up to 100 A
 - Very low pulse width distortion which improves performance
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