



High Isolation Flyback Transformers for Gate Drive ICs



PH9363

- Basic insulation
- 2500Vrms Isolation / 60 Seconds
- 2.8mm Creepage
- ER 11 SMT platform
- Compliant with UL 60950-1 / TUV EN61558
- Turns Ratio 1:2, other turns ratios, isolation levels, and certifications are available on request.

▪ Package Size: 12 x 9.3 x 6.5mm

▪ Packaging Quantity: 500 Pcs / Reel



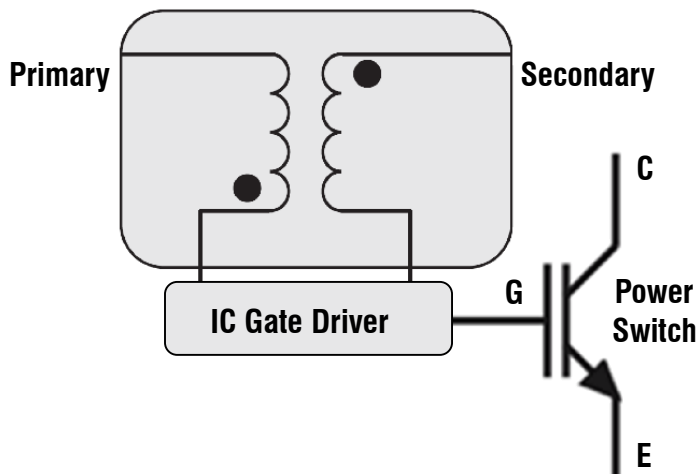
PH0416

- AEC-Q200 Compliant
- Reinforced insulation
- High Isolation 5000 Vrms / 60 Seconds
- 8.3mm Creepage
- EP7 SMT platform
- Compliant with UL 60950-1 / TUV EN61558
- Turns Ratio 1:2, other turns ratios, isolation levels, and certifications are available on request.

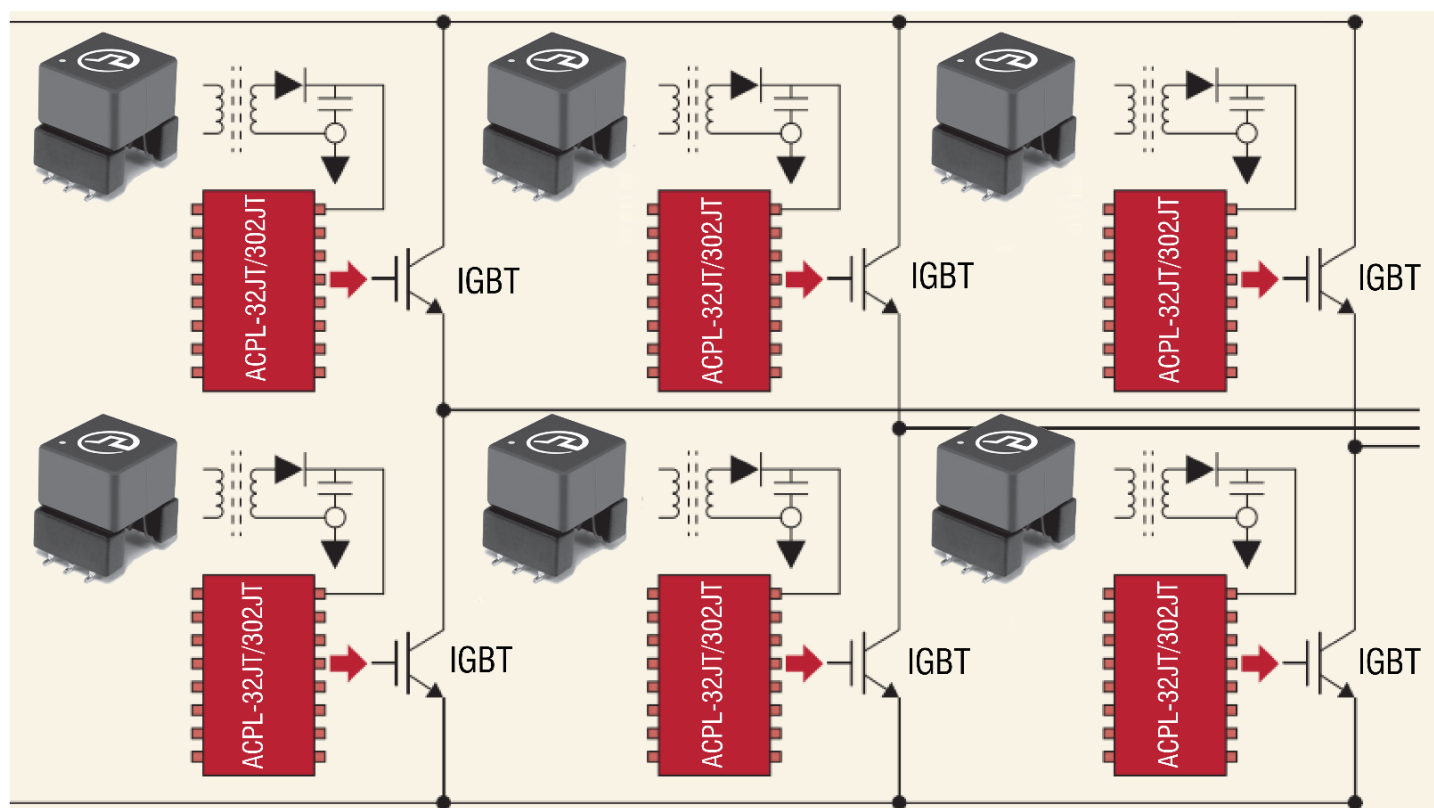
▪ Package Size: 10 x 10 x 12.5mm

▪ Packaging Quantity: 500 Pcs / Reel

Flyback Isolation Transformer



High electromagnetic interference (EMI) and noise coupling between IGBT channels are introduced in a centralized power supply system when using a single large transformer to power the high side six gate drivers. The ACPL-302J device by Avago was developed to improve isolated power supplies and simplify gate drive design. By integrating the flyback controller, the ACPL-302J enables integration of smaller high-efficiency transformers to be placed next to the device as shown in the below block diagram. As a result, the designer can reduce the overall footprint, minimizing electromagnetic interference (EMI) and noise coupling between IGBT channels. The Pulse PH9363 and PH0416 are isolated flyback transformers designed especially for the Avago ACPL-302J IGBT Driver IC.



"The Pulse Power Business Unit offers a broad range of catalog and custom magnetics used in AC/DC power supply and DC/DC converter applications: power inductors, high-frequency power transformers, common mode chokes, gate drive transformers, and current sense magnetics".