

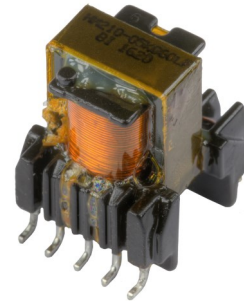
# HM210-05K060LFTR

## 5KV Flyback Isolation Transformer



### Features:

- **5KV high voltage isolation; can withstand up to 7 kV**
- **Compact SMD package**
- Low leakage inductance
- RoHS compliant
- -40°C to +155°C operation
- Developed for Avago IGBT Chipset ACPL-302J



### Description:

HM210-05K060LFTR is a flyback transformer designed with 5KV higher isolation voltage between primary and secondary windings. It was specifically designed for use with Avago's ACPL-302J 2.5 amp gate drive optocoupler with an integrated flyback controller for isolated DC/DC converter applications. The part complies with regulatory safety requirements as stipulated for use with Avago's ACPL-302J devices.

HM210-05K060LFTR offers a high saturation current capability and low leakage inductance performance. It is ideal for high efficiency DC-DC applications where size is critical. The part's high operating temperature ensures optimized performance and reliability levels for industrial applications demand.

### Applications:

- Industrial
  - Inverters
  - Uninterruptible power supplies
  - Switch mode power supplies
  - Automation systems
  - DC/DC converters
  - Renewable energy inverters
  - AC and brushless DC motor drives

### Benefits:

- **5KV high voltage isolation; can withstand up to 7 kV**
- **Compact SMD package**
- Lower cost in comparison to optoelectronic (semi-conductor) solution
- Higher reliability in comparison to optoelectronic solution
- Less susceptible to temperature effects than optoelectronic solution

### Key Competitors:

- Pulse
- Hitachi

### Our Advantage:

The turn ration can be custom designed for any specific application, as found in the AVAGO chip set ACPL-302J 2.5 application note. This product is recommended for use by AVAGO. Not many of our products offer up to 5 kV in such a small package size.

For our full product portfolio, in-house & local design support / distribution partners, visit:  
<http://www.ttelectronics.com/magnetic-components>

#### General Note

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