Isolation Modules for Maxim™ MAX13253 1A Push-Pull Driver

8 pin SMD 1A Isolation Modules

HALO ELECTRONICS, INC.

Product Features:

- The TGM-H2xxV8LF and TGMR-H5xxV8LF series of transformers have been developed specifically for the Maxim MAX13253, low EMI, push-pull driver. These high efficiency, extended temp range transformers have been designed for up to 1A input.
- UL60950, EN60950 and DEMKO recognized.
- Tested and approved by Maxim when used with the MAX13253.
- Operating Temp: -40 to +85°C

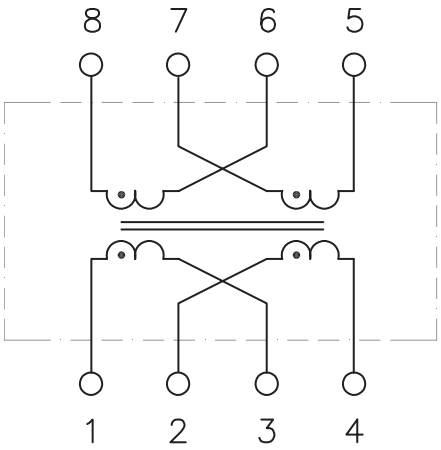
Part Number	Turns Ratio ±3% PRI : SEC	PRI OCL (µH Nom.)	PRI DCR (Ω Max.)	Cw/w (pF Max.)	ET Constant (V-µs Min.)	Isolation Voltage
TGM-H240V8LF	1:1:1.3:1.3	780	150mΩ	23	25V-µs	1,500Vrms
TGM-H260V8LF	1:1:2:2	780	150mΩ	25	25V-µs	1,500Vrms
TGM-H280V8LF	1:1:2.67:2.67	780	150mΩ	25	25V-µs	1,500Vrms
TGMR-H540V8LF	1:1:1.375:1.375	600	180mΩ	15	25V-µs	4,500Vrms
TGMR-H560V8LF	1:1:2:2	600	180mΩ	17	25V-µs	4,500Vrms
TGMR-H580V8LF	1:1:2.67:2.67	320	150mΩ	12	18 V-µs	4,500Vrms

Notes:

1. Pri Pins: 1-4 (connect 2-3)
2. ET Constant over Temp Range: Measured at P1-4 with 2-3 connected.
3. For more information, pertaining to the MAX13253 please contact Maxim at 1-888-629-4642 or visit www.maximintegrated.com/en/products/power/isolated-power/MAX13253.html.
4. Maxim is a reg. trademark of Maxim Integrated Products.
5. Please contact factory for specific datasheets and additional turns ratios.

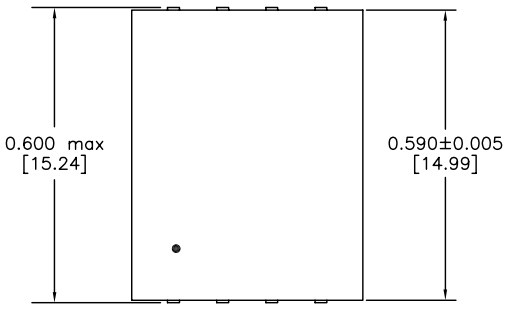
8 Pin SMD DC/DC Converter Isolation Modules

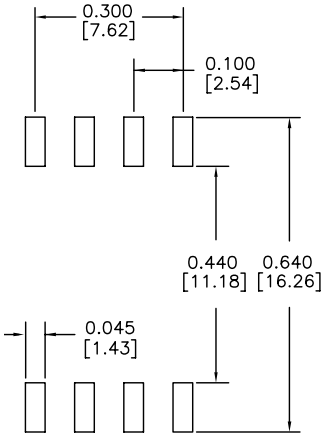
Schematic



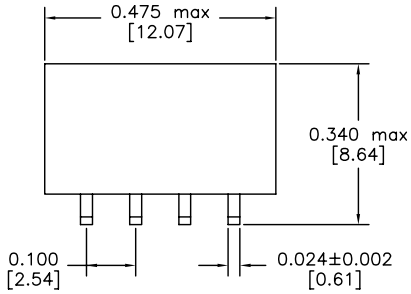
Mechanical

Dimensions: inches [mm]
Co-Planarity: 0.004 [0.10]





Recommended
Solder Pad Dimensions



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HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.

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