

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

8 pin SMD 1A Isolation Modules



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 $\pm 3\%$ 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 | 150m Ω | 23 | 25V- μs | 1,500Vrms |
| TGM-H260V8LF | 1:1:2:2 | 780 | 150m Ω | 25 | 25V- μs | 1,500Vrms |
| TGM-H280V8LF | 1:1:2.67:2.67 | 780 | 150m Ω | 25 | 25V- μs | 1,500Vrms |
| TGMR-H540V8LF | 1:1:1.375:1.375 | 600 | 180m Ω | 15 | 25V- μs | 4,500Vrms |
| TGMR-H560V8LF | 1:1:2:2 | 600 | 180m Ω | 17 | 25V- μs | 4,500Vrms |
| TGMR-H580V8LF | 1:1:2.67:2.67 | 320 | 150m Ω | 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.

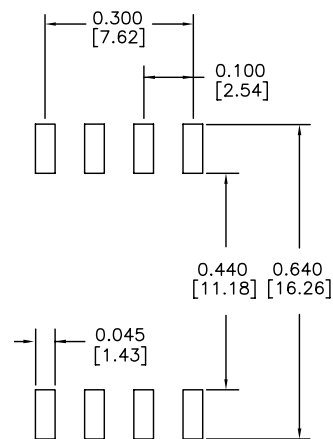
8 Pin SMD DC/DC Converter Isolation Modules

Schematic

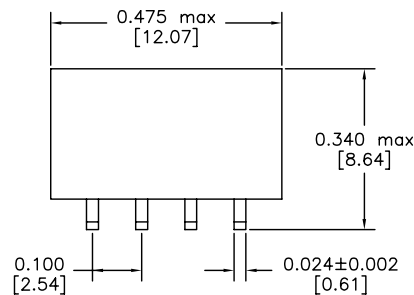


Mechanical

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



Recommended
Solder Pad Dimensions



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