

# 5kV Isolation Modules for Analog Devices

## ADuM4070 and ADuM447x

8 pin SMD Modules



### Product Features:

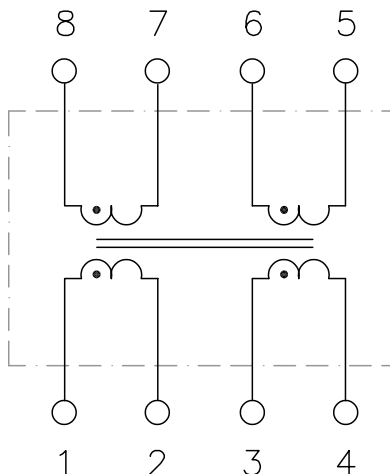
- Designed specifically for the Analog Devices ADuM4070 Isolated Switching Regulator and ADuM447x series of Quad-channel digital isolators with integrated isolated switching regulators.
- 5kV Isolation and reinforced insulation for working voltages up to 300V
- UL/EN60950 and DEMKO recognized
- Designed for output load up to 2.5 Watts
- Miniature package up to 70% smaller than bobbin wound transformer
- Operating Temp: -40 to +85°C

Part Number	Turns Ratio $\pm 3\%$ PRI : SEC	OCL ( $\mu\text{H Typ.}$ )	PRI DCR ( $\Omega \text{ Max.}$ )	ET Constant (V- $\mu\text{s Min.}$ )
TGRAD-560V8LF	1CT:2CT	398	0.8	14
TGRAD-590V8LF	1CT:3CT	398	0.8	14
TGRAD-595V8LF	1CT:5CT	398	0.8	14

### Notes:

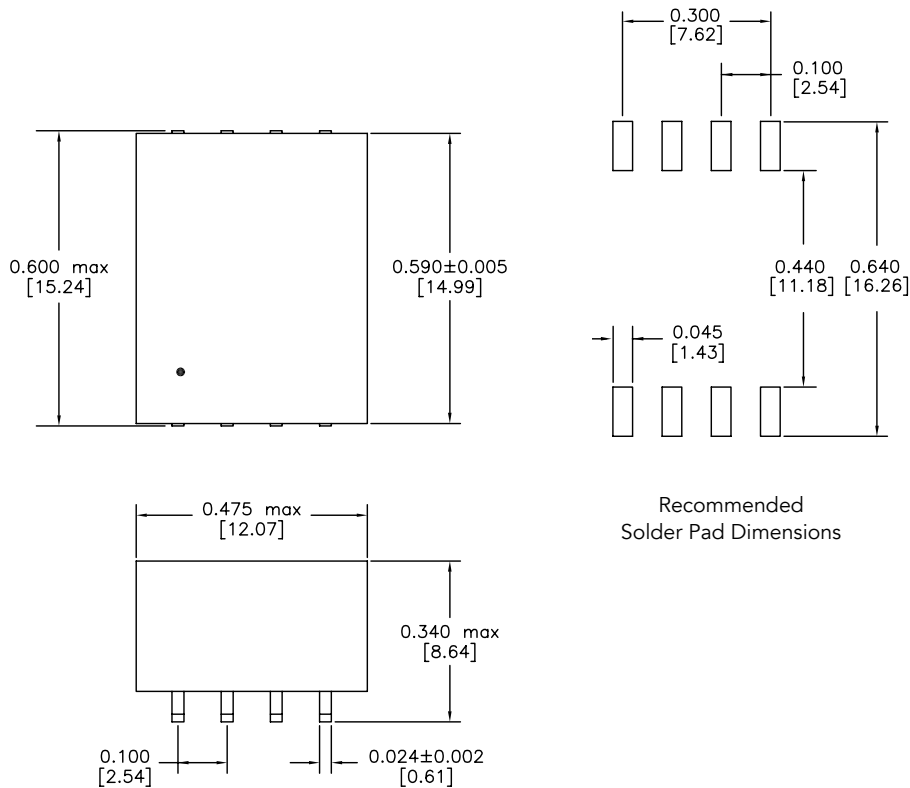
1. Tie pins 2-3 and 6-7
2. Lower profile packages available if reinforced insulation is not needed
3. Smaller packages available for lower isolation voltages
4. Analog Devices is a trademark of Analog Device, Inc.
5. Contact factory for specific datasheets and additional turns ratios.

### Schematic



# 5kV Isolation Modules for Analog Devices ADuM4070 and ADuM447x

## V8 Package



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



2880 Lakeside Drive #116  
Santa Clara, CA 95054  
(650) 903-3800  
[www.haloelectronics.com](http://www.haloelectronics.com)

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.