3kVrms DC/DC Converter

6 pin "Lead Free" Isolation Modules

HALO ELECTRONICS, INC.

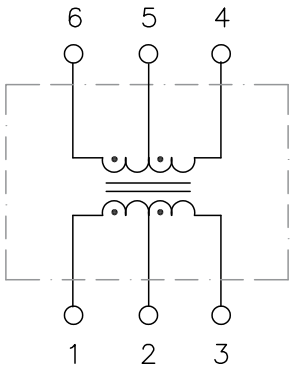
Product Features:

- Provides the isolation and voltage outputs required for low cost DC/DC converter circuits.
- Designed specifically for use with the Maxim™ MAX253, MAX845, and MAX3535 drivers.
- Isolation voltage is 3,000Vrms and working voltage up to 300V. Other packages are available with isolation voltages ranging from 500V to 5KVrms.
- UL60950, EN60950 and DEMKO recognized
- Temperature Range: -40 to +85°C

Part Number	Turns Ratio ±3% PRI : SEC	OCL (µH Typical)	PRI DCR (Ω Max)	PRI ET Constant (V-µs Min.)
TGMR-310V6LF	1CT:0.5CT	500	0.8	18
TGMR-320V6LF	1CT:0.375CT	500	0.8	18
TGMR-330V6LF	1CT:0.75CT	500	0.8	18
TGMR-340V6LF	1CT:1.33CT	800	0.9	22
TGMR-350V6LF	1CT:1CT	800	0.9	22
TGMR-355V6LF	1CT:1.5CT	800	0.9	22
TGMR-360V6LF	1CT:2CT	800	0.9	22
TGMR-370V6LF	1CT:1.6CT	800	0.9	22
TGMR-380V6LF	1CT:2.66CT	800	0.9	22

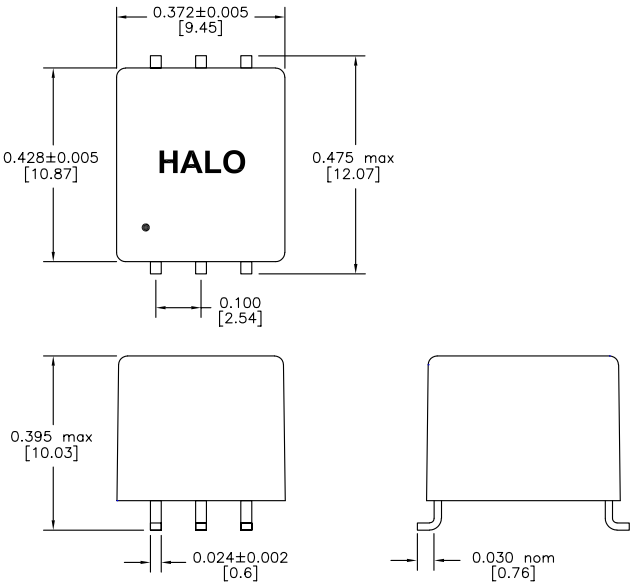
Notes:
Primary Pins are 1-3.
For more information, pertaining to the Maxim drivers please contact Maxim at (408) 737-7600.
Maxim is a registered trademark of Maxim Integrated Products.

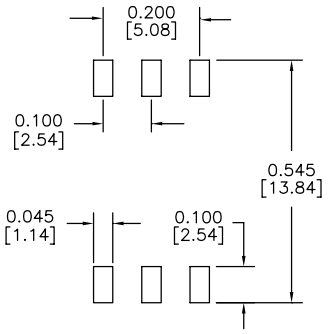
Schematic



6 Pin, 3kVrms "Lead Free" DC/DC Converter Isolation Module

V6 Package





Recommended
Solder Pad Dimensions

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

HALO ELECTRONICS, INC.
2880 Lakeside Drive #116
Santa Clara, CA 95054
(650) 903-3800
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.

© Copyright 2015 HALO Electronics, Inc. All rights reserved.

Revised 4/2015 Download the latest version at www.haloelectronics.com/pdf/discrete-dc2dc-6pin3kv.pdf

3kVrms DC/DC Converter

6 pin SMD RoHS Compliant Isolation Modules

HALO ELECTRONICS, INC.

Product Features:

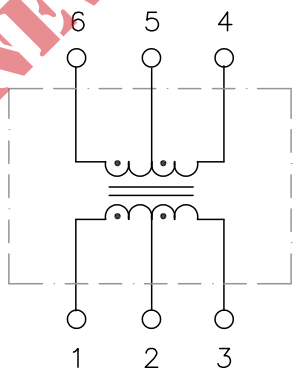
- Provides the isolation and voltage outputs required for low cost DC/DC converter circuits.
- Designed specifically for use with the Maxim™ MAX253, MAX845, and MAX3535 drivers.
- Isolation voltage is 3,000Vrms. Other packages are available with isolation voltages ranging from 500Vrms to 5KVrms.
- UL60950, EN60950 recognized
- Temperature Range: -40 to +85°C

SMD Part Number	Turns Ratio ±3% PRI : SEC	PRI OCL (µH Typical)	PRI DCR (Ω Max.)	PRI ET Constant (V-µs Min.)
TGM-310NARL	1CT:0.5CT	570	0.8	11
TGM-320NARL	1CT:0.375CT	570	0.8	11
TGM-330NARL	1CT:0.75CT	570	0.8	11
TGM-340NARL	1CT:1.33CT	400	0.8	11
TGM-350NARL	1CT:1CT	400	0.8	11
TGM-360NARL	1CT:2CT	400	0.8	11
TGM-380NARL	1CT:2.66CT	400	0.5	11

NOT RECOMMENDED FOR NEW DESIGNS

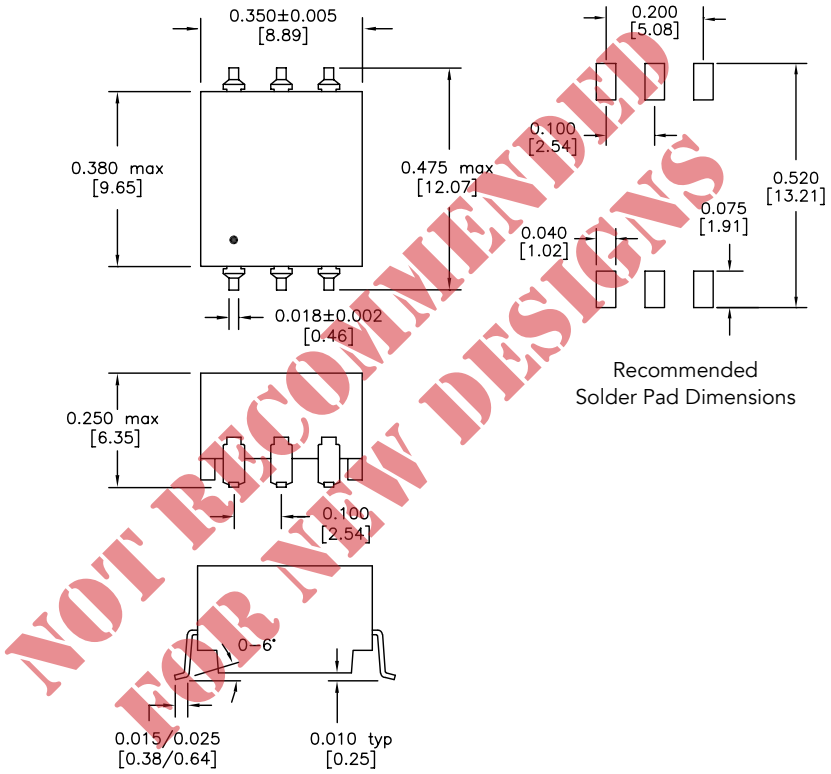
Notes:
Primary Pins are 1-3.
For more information, pertaining to the Maxim drivers please contact Maxim at (408) 737-7600.
Maxim is a registered trademark of Maxim Integrated Products.

Schematic



6 Pin, 3kVrms RoHS Compliant DC/DC Converter Isolation Module

TGM-NA SMD Package



NOT RECOMMENDED FOR NEW DESIGNS

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

US Patent Numbers for SMD Devices

5,656,985	6,297,721 B1
6,297,720 B1	6,320,489 B1
6,344,785 B1	6,662,431 B1

HALO ELECTRONICS, INC.
2880 Lakeside Drive #116
Santa Clara, CA 95054
(650) 903-3800
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.

© Copyright 2015 HALO Electronics, Inc. All rights reserved.
Revised 4/2015 Download the latest version at www.haloelectronics.com/pdf/discrete-dc2dc-6pin3kv.pdf