

3kVrms DC/DC Converter

6 pin "Lead Free" Isolation Modules



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 $\pm 3\%$ 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



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



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.

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 $\pm 3\%$ 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 |

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



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