

# PCMCIA DC/DC Converter

Low Profile SMD Isolation Modules



## Product Features:

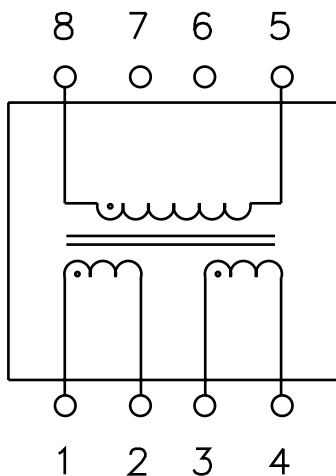
- The TGM-P3 series of 8 pin transformers provide the isolation and voltage outputs required for small, low cost DC/DC converter circuits.
- Designed specifically for use with the Maxim™ MAX845 monolithic oscillator/power drivers with 3.3V or 5V power source.
- DIL and SMD packages are also available with isolation voltages up to 4.5KVrms.
- Operating Temp: -40 to +85°C

Part Number	Circuit	Turns Ratio (±3%) PRI : SEC	Cw/w (pF Max.)	PRI LL (μH Typ.)	Isolation Vrms
TGM-010P3RL	A	1:1:1	12	0.40	500
TGM-020P3RL	A	1:1:0.75	12	0.40	500
TGM-030P3RL	A	1:1:1.5	12	0.40	500
TGM-040P3RL	B	1:1:1.3:1.3	12	0.40	500
TGM-050P3RL	B	1:1:1:1	12	0.40	500

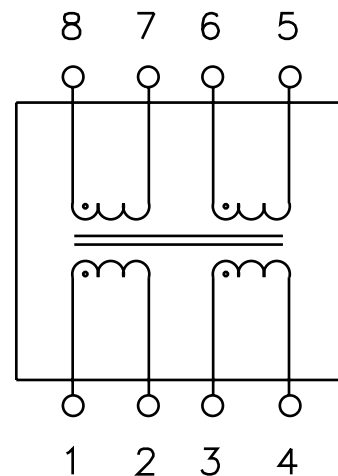
### Notes:

1. PRI Pins: 1-2 & 3-4
2. PRI DCR: 0.6Ω Max.
3. PRI OCL: 240μH Typ.
4. ET Constant: 5.5 V-μs Min.
5. For more information, pertaining to the MAX845 please contact Maxim at (408) 737-7600. Maxim is a registered trademark of Maxim Integrated Products.

Schematic A

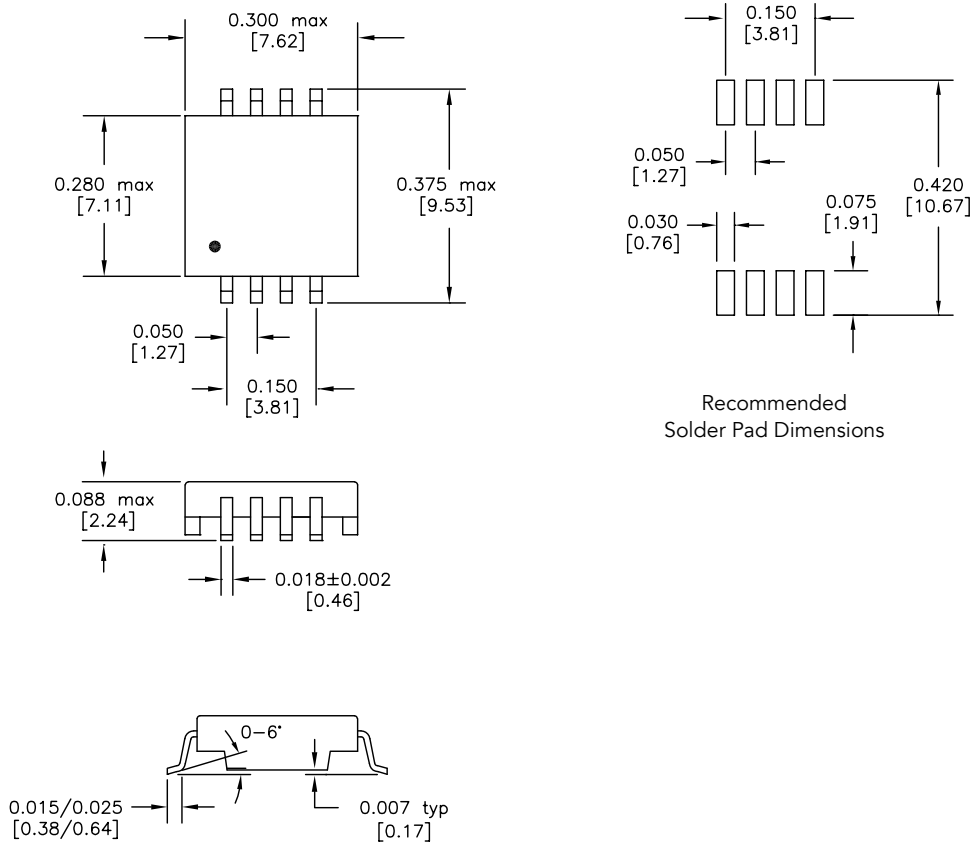


Schematic B



# PCMCIA DC/DC Converter Isolation Modules

## Package P3



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



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