

3 Watt SMD DC/DC Converter Isolation Modules

The TGM-H251NF and TGM-H281NF transformers provide the isolation and voltage outputs required for low cost isolated DC/DC converter circuits. These high efficiency, extended temp range transformers have been designed specifically for the Maxim™ MAX256 controller and H bridge driver with 3.3V or 5V power source. Fully tested and approved by Maxim in this 3 watt application. UL60950 and EN60950 recognized.

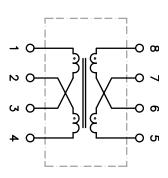


For more information, pertaining to the MAX256 please contact Maxim at (408) 737-7600. Maxim is a registered trademark of Maxim Integrated Products.

NF Package

0.475 max [12.07] 0.600 max [15.24] HALO 0.455 max [11.56] 0.018 [0.46] 0.340 max [8.64] 0.010 nom [0.25] 0.100 [2.54] 0.300 [7.62] DIMENSIONS: Inch [mm] CO-PLANARITY: 0.004 [0.10]

Circuit Diagram



Patented Construction

US Pat Nbrs: 5,656,985

6,297,721 B1 6,297,720 B1

6,320,489 B1 6,344,785 B1

Electrical Specifications @ 25∞C

Operating Temp: -40°to +85°C

Pri Pins: 1-4

E T Constant (P1-4,2-3 connected): 18.5 V-ms min. Isolation Voltage 1,500 Vrms

	Turns Ratio ±3%	PRI-OCL	PRI-DCR	Cw/w
Part Number	PRI : SEC	μ Η Тур	Max.	pF Max
TGM-H251NF	1:1:1:1	198	100m Ω	15
TGM-H281NF	1:1:2.6:2.6	198	100m Ω	15

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