

MODEL HM00-93839

Low Profile

Dual-Output

Surface Mount Inductors



FEATURES AND BENEFITS

- Low profile surface mount design
- Low core loss, high efficiency
- Compatible with surface mount process temperatures
- Base material meets UL 94V-0 requirements
- Used in combination with Linear Technology switching regulator LTC 1149

APPLICATIONS

- Notebook computers

ELECTRICAL / ENVIRONMENTAL

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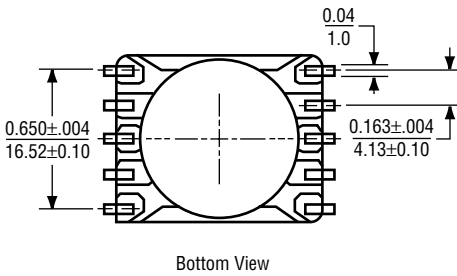
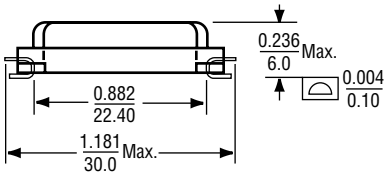
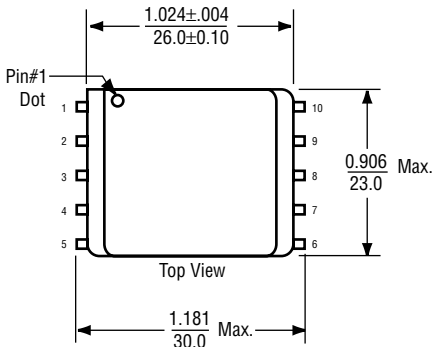
Insulation Resistance, Minimum	100 Megohm
Operating Temperature Range	-40°C to +130°C
Ambient Temperature, Maximum	80°C
Insulation System	Class B, 130°C

SPECIFICATIONS

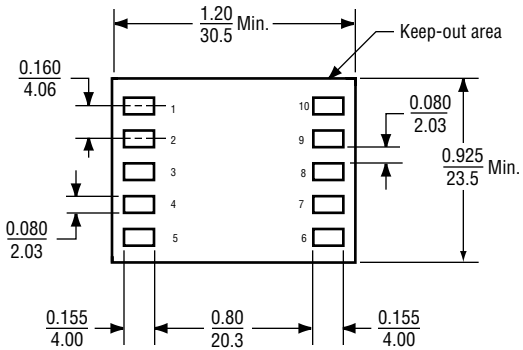
Primary Inductance at 1.0 kHz (Strap Terminals 2 & 8) (1-7)	17.4 μ H $\pm$ 15%
Winding DC Resistance, Maximum (1-8), (2-7), (3-6)	20 m Ω
Input Voltages	8V to 24V
Output Power	Combination of 3.3V and 5V loads, totaling 17 watts or less
Dielectric Breakdown Voltage	300 Vdc

Specifications subject to change without notice.

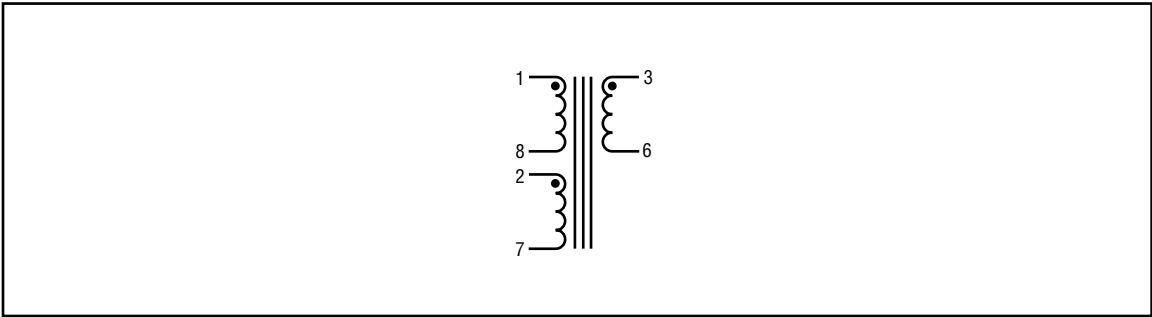
OUTLINE DIMENSIONS (Inch/mm)



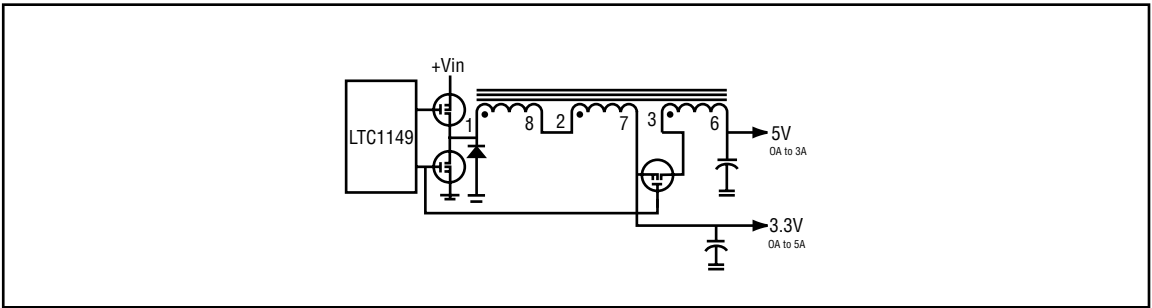
Recommended PCB Layout



SCHEMATIC



TYPICAL APPLICATION DIAGRAM



PACKAGING

Standard: Tray Pack

Tray	Capacity	=	40 Units
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Option: Embossed Tape & Reel

Reel	Diameter	=	13" (330mm)
	Capacity	=	200 Units