

**ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:**

**D.C. RESISTANCE (@20°C):**  
 2-7, 0.054 ohms max.  
 1-6, 0.041 ohms max.  
 9-3, 0.200 ohms max.  
 8-4, 0.210 ohms max.  
 5-10, 0.075 ohms max.

**DIELECTRIC RATING;** 500VAC, 1 minute tested by applying 625VAC for 1 second between PRI-SEC.

**INDUCTANCE:** 26.8uH ±5%, 10kHz, 100mVAC, 2-7, Ls.

**LEAKAGE INDUCTANCE:** 226nH typ., 100kHz, 100mVAC, 2-7(tie 9+3, 8+4, 1+6, 10+7, 2+5), Ls.


**TURNS RATIO:**  
 (2-7):(1-6) = 1.636:1, ±1%.  
 (2-7):(9-3) = 0.720:1, ±1%.  
 (2-7):(8-4) = 0.720:1, ±1%.  
 (2-7):(5-10) = 1:1, ±1%.

**TRANSFORMER INFORMATION:**  
 Pout max.: 15.0W  
 Pout min.: 5.70W  
 Estimated Temp. Rise @ Pout max.: 32.0°C  
 Estimated Efficiency: 78.3%  
 Estimated Maximum Duty Cycle: 38.6%

**SWITCH SELECTION INFORMATION**  
 Input Voltage Range: 16 - 40V  
 Peak Current: 4.6A  
 Vsw @ Rated Output Voltages: 50 + (Vmax - 40)  
 Operating Frequency: 100k - 250kHz

Transformer will operate in Discontinuous Mode below Minimum Specified Output Voltage of Pout Min. Pout min. varies with frequency of switcher (from 100k to 250kHz).  
 Pout Min = 570.0/(Frequency in kHz) Watts.

DETAILS SUBJECT TO CHANGE

Unless otherwise specified: Tolerances: Angles: ±1° Fractions: ±1/64 Decimals: ±.005[.13]	DRAWING TITLE <h2 style="text-align: center;">TRANSFORMER</h2> eiSos p/n:	 www.midcom-inc.com	PART # 30434R
	SEE REVISION SHEET FOR REVISION LEVEL	PART NO. <b>30434R</b>	
This drawing is dual dimensioned. Dimensions in brackets are in millimeters.	SPECIFICATION SHEET 1 OF 1		