

ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

D.C. RESISTANCE (@20°C):
 2-7, 0.131 ohms max.
 8-3, 0.069 ohms max.
 9-5, 0.567 ohms max.
 10-4, 0.567 ohms max.
 1-6, 0.168 ohms max.

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

INDUCTANCE: 39.2uH ±5%, 10kHz, 100mVAC, 2-7, Ls.


LEAKAGE INDUCTANCE: 400nH typ., 100kHz, 100mVAC, 2-7(tie 9+5, 8+3, 7+6, 10+4, 1+2), Ls.

TURNS RATIO:
 (2-7):(8-3) = 1.333:1, ±1%.
 (2-7):(9-5) = 0.471:1, ±1%.
 (2-7):(10-4) = 0.471:1, ±1%.
 (2-7):(1-6) = 1:1, ±1%.

TRANSFORMER INFORMATION:
 Pout max.: 11.5W
 Pout min.: 7.39W
 Estimated Temp. Rise @ Pout max.: 27.8°C
 Estimated Efficiency: 79.1%
 Estimated Maximum Duty Cycle: 33.9%

SWITCH SELECTION INFORMATION
 Input Voltage Range: 16 - 40V
 Peak Current: 4.7A
 Vsw @ Rated Output Voltages: 48 + (Vmax - 40)
 Operating Frequency: 40k - 100kHz

Transformer will operate in Discontinuous Mode below Minimum Specified Output Voltage of Pout Min. Pout min. varies with frequency of switcher (from 40 to 100kHz).
 Pout Min = 739.0/(Frequency in kHz) Watts.

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 # 30428R
	SEE REVISION SHEET FOR REVISION LEVEL	PART NO. 30428R	
This drawing is dual dimensioned. Dimensions in brackets are in millimeters.		SPECIFICATION SHEET 1 OF 1	