



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

- D.C. RESISTANCE (@20°C):** 2-7, 0.131 ohms max. 10-4, 0.069 ohms max.
 8-3, 0.063 ohms max. 1-6, 0.168 ohms max.
 9-5, 0.066 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:** 440nH typ., 100kHz, 100mVAC, 2-7(tie 9+5, 8+3, 7+6, 10+4., 1+2), Ls.
- TURNS RATIO:** (2-7):(8-3) = 1.33:1, ±1%.
 (2-7):(9-5) = 1.33:1, ±1%.
 (2-7):(10-4) = 1.33:1, ±1%.
 (2-7):(1-6) = 1:1, ±1%.

TRANSFORMER INFORMATION:

- Pout max.: 11.5W
 Pout min.: 6.96W
 Estimated Temp. Rise @ Pout max.: 30.0°C
 Estimated Efficiency: 74.9%
 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 = 696.0/(Frequency in kHz) Walts.

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>		PART # 30424R
	eiSos p/n: SEE REVISION SHEET FOR REVISION LEVEL		
This drawing is dual dimensioned. Dimensions in brackets are in millimeters.	SPECIFICATION SHEET 1 OF 1		