



SPECIFICATIONS:

D.C. RESISTANCE, 20°C: 9-4, 0.107 ohms max.
 1-6, 0.168 ohms max.
 8-3, 0.027 ohms max.
 7-2, 0.157 ohms max.
 10-5, 0.135 ohms max.

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

INDUCTANCE: 55.9uH ±5%, 10kHz, 100mVAC, 10-5, Ls.

LEAKAGE INDUCTANCE: 529nH typ. 100kHz, 100mVAC, 9-4(tie 8+3, 7+2, 1+6, 4+5, 10+9), Ls.

URNS RATIO: (10-5):(9-4) = 1:1 ±1%
 (1-6):(9-4) = 1.087:1 ±1%
 (7-2):(9-4) = 1.087:1 ±1%
 (9-4):(8-3) = 2.091:1 ±1%

TRANSFORMER INFORMATION:

Pout max.: 20.00W
 Pout min.: 5.76W
 Estimated Temp. Rise @ Pout max.: 40.6°C
 Estimated Efficiency: 73.6%
 Estimated Maximum Duty Cycle: 44.8%

SWITCH SELECTION INFORMATION

Input Voltage Range: 16 - 40V
 Peak Current: 4.95A
 Vsw @ Rated Output Voltages: 52 + (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 100 to 250kHz) Pout Min = 576.0/(Frequency in kHz) Watts

Unless otherwise specified: Tolerances: Angles: ±1° Fractions: ±1/64 Decimals: ±.005[.13]	DRAWING TITLE		 www.midcom-inc.com	PART # 30440
	TRANSFORMER			
This drawing is dual dimensioned. Dimensions in brackets are in millimeters.	eiSos p/n:		30440	6B
	SEE REVISION SHEET FOR REVISION LEVEL		SPECIFICATION SHEET 1 OF 1	