





D.C. RESISTANCE         6-7         @20°C         0.047 ohms max.           D.C. RESISTANCE         7-8         @20°C         0.018 ohms max.           D.C. RESISTANCE         4-5         @20°C         0.770 ohms max.           INDUCTANCE         3-1         10kHz, 100mVAC, Ls         900.0uH ±10%           SATURATION CURRENT         20% rolloff from initial         925mA				
D.C. RESISTANCE         8-9         @20°C         0.013 ohms max.           D.C. RESISTANCE         6-7         @20°C         0.047 ohms max.           D.C. RESISTANCE         7-8         @20°C         0.018 ohms max.           D.C. RESISTANCE         4-5         @20°C         0.770 ohms max.           INDUCTANCE         3-1         10kHz, 100mVAC, Ls         900.0uH ±10%           SATURATION CURRENT         20% rolloff from initial         925mA           LEAKAGE INDUCTANCE         3-1         tie(4+5, 6+7+8+9), 10kHz, 100mVAC, Ls         23.0uH typ., 29.0uH typ., 20.0uH typ., 20.0uH typ., 20.0uH typ., 20.0uH typ., 20.0uH typ	PARAMETER		TEST CONDITIONS	VALUE
D.C. RESISTANCE         6-7         @20°C         0.047 ohms max.           D.C. RESISTANCE         7-8         @20°C         0.018 ohms max.           D.C. RESISTANCE         4-5         @20°C         0.770 ohms max.           INDUCTANCE         3-1         10kHz, 100mVAC, Ls         900.0uH ±10%           SATURATION CURRENT         20% rolloff from initial         925mA           LEAKAGE INDUCTANCE         3-1         tie(4+5, 6+7+8+9), 10kHz, 100mVAC, Ls         23.0uH typ., 29.0uH max.           DIELECTRIC         1-9         tie(3+4), 4500VAC, 1 second         -           DIELECTRIC         1-5         1500VAC, 1 second         -           TURNS RATIO         (3-1):(4-5)         6.62:1, ±1%           TURNS RATIO         (4-5):(6-7)         2:1, ±1%           TURNS RATIO         (4-5):(7-8)         8:1, ±1%	D.C. RESISTANCE	3-1	@20°C	4.02 ohms max.
D.C. RESISTANCE         7-8         @20°C         0.018 ohms max.           D.C. RESISTANCE         4-5         @20°C         0.770 ohms max.           INDUCTANCE         3-1         10kHz, 100mVAC, Ls         900.0uH ±10%           SATURATION CURRENT         20% rolloff from initial         925mA           LEAKAGE INDUCTANCE         3-1         tie(4+5, 6+7+8+9), 10kHz, 100mVAC, Ls         23.0uH typ., 29.0uH model           DIELECTRIC         1-9         tie(3+4), 4500VAC, 1 second         -           DIELECTRIC         1-5         1500VAC, 1 second         -           TURNS RATIO         (3-1):(4-5)         6.62:1, ±1%           TURNS RATIO         (4-5):(6-7)         2:1, ±1%           TURNS RATIO         (4-5):(7-8)         8:1, ±1%	D.C. RESISTANCE	8-9	@20°C	0.013 ohms max.
D.C. RESISTANCE         4-5         @20°C         0.770 ohms max.           INDUCTANCE         3-1         10kHz, 100mVAC, Ls         900.0uH ±10%           SATURATION CURRENT         20% rolloff from initial         925mA           LEAKAGE INDUCTANCE         3-1         tie(4+5, 6+7+8+9), 10kHz, 100mVAC, Ls         23.0uH typ., 29.0uH models           DIELECTRIC         1-9         tie(3+4), 4500VAC, 1 second         -           DIELECTRIC         1-5         1500VAC, 1 second         -           TURNS RATIO         (3-1):(4-5)         6.62:1, ±1%           TURNS RATIO         (4-5):(6-7)         2:1, ±1%           TURNS RATIO         (4-5):(7-8)         8:1, ±1%	D.C. RESISTANCE	6-7	@20°C	0.047 ohms max.
INDUCTANCE   3-1   10kHz, 100mVAC, Ls   900.0uH ±10%	D.C. RESISTANCE	7-8	@20°C	0.018 ohms max.
SATURATION CURRENT         20% rolloff from initial         925mA           LEAKAGE INDUCTANCE         3-1         tie(4+5, 6+7+8+9), 10kHz, 100mVAC, Ls         23.0uH typ., 29.0uH model           DIELECTRIC         1-9         tie(3+4), 4500VAC, 1 second         -           DIELECTRIC         1-5         1500VAC, 1 second         -           TURNS RATIO         (3-1):(4-5)         6.62:1, ±1%           TURNS RATIO         (4-5):(6-7)         2:1, ±1%           TURNS RATIO         (4-5):(7-8)         8:1, ±1%	D.C. RESISTANCE	4-5	@20°C	0.770 ohms max.
LEAKAGE INDUCTANCE         3-1         tie(4+5, 6+7+8+9), 10kHz, 100mVAC, Ls         23.0uH typ., 29.0uH to 100mVAC, Ls           DIELECTRIC         1-9         tie(3+4), 4500VAC, 1 second         -           DIELECTRIC         1-5         1500VAC, 1 second         -           TURNS RATIO         (3-1):(4-5)         6.62:1, ±1%           TURNS RATIO         (4-5):(6-7)         2:1, ±1%           TURNS RATIO         (4-5):(7-8)         8:1, ±1%	INDUCTANCE	3-1	10kHz, 100mVAC, Ls	900.0uH ±10%
DIELECTRIC	SATURATION CURRENT		20% rolloff from initial	925mA
DIELECTRIC         1-5         1500VAC, 1 second         -           TURNS RATIO         (3-1):(4-5)         6.62:1, ±1%           TURNS RATIO         (4-5):(6-7)         2:1, ±1%           TURNS RATIO         (4-5):(7-8)         8:1, ±1%	LEAKAGE INDUCTANCE	3-1		23.0uH typ., 29.0uH max.
TURNS RATIO $(3-1):(4-5)$ $6.62:1, \pm 1\%$ TURNS RATIO $(4-5):(6-7)$ $2:1, \pm 1\%$ TURNS RATIO $(4-5):(7-8)$ $8:1, \pm 1\%$	DIELECTRIC	1-9	tie(3+4), 4500VAC, 1 second	_
TURNS RATIO $(4-5):(6-7)$ $2:1, \pm 1\%$ TURNS RATIO $(4-5):(7-8)$ $8:1, \pm 1\%$	DIELECTRIC	1-5	1500VAC, 1 second	-
TURNS RATIO $(4-5):(7-8)$ 8:1, ±1%	TURNS RATIO		(3-1):(4-5)	6.62:1, ±1%
	TURNS RATIO		(4-5):(6-7)	2:1, ±1%
TURNS RATIO $(4-5):(8-9)$ 4:1, ±1%	TURNS RATIO		(4-5):(7-8)	8:1, ±1%
	TURNS RATIO		(4-5):(8-9)	4:1, ±1%

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  including temp rise.

Designed to comply with the following requirements as defined by IEC61558-2-17: - Reinforced insulation for a primary circuit at a working voltage of 400VDC.

	100	
SURFACE A II ø.025 SQ.(9) [.64]	8/.158 10/4.00]	
3 120-385V 100kHz 1 15V, 30mA	8 5.0V 0.5A 3.3V, 0.5A	## RECOMMENDED P.C. PATTERN, COMPONENT SIDE

REV.	DATE	Packaging Specifications
		Method: <b>Tray</b>
		PKG-0058
6B	5/10	www.midcom-inc.com

CUSTOMER TERMINAL

Sn96%, Ag4%

RoHS

Yes

LEAD(Pb)-FREE

Yes

2/10 SEE REVISION SHEET FOR REVISION LEVEL

Tolerances unless otherwise specified: Angles: ±1° Decimals: ±.005 [.13] Footprint: ±.001 [.03] Fractions: ±1/64

This drawing is dual dimensioned. Dimensions in brackets are in millimeters.

DRAWING TITLE

## **TRANSFORMER**

eiSos p/n: **750871830** 

PART NO.

750871830



## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Wurth Electronics: 750871830