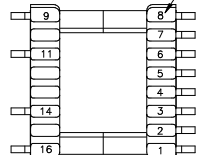


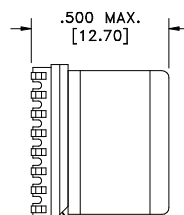
SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE
LF1	Sn96%, Ag4%	Yes	Yes



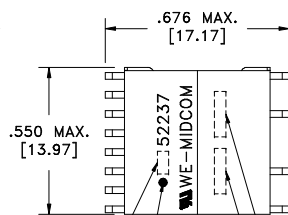
TERM. NO.'s FOR REF. ONLY



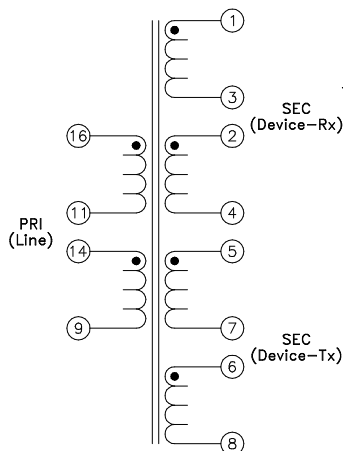
CHAMFERS LOCATE TERM.'s #1 & 16



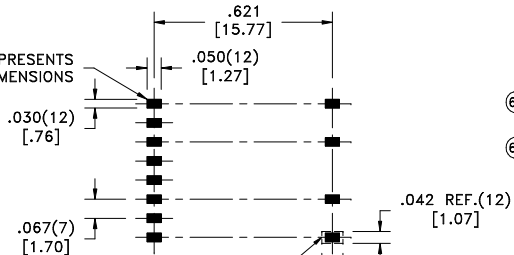
DOT LOCATES TERM. #1



UL CODE
LOT CODE & DATE CODE
SOLDER SUFFIX



AREA REPRESENTS
TERMINAL PAD DIMENSIONS



REFERENCE LAND SIZE
CUSTOMER TO DETERMINE LAND LAYOUT

6D

REV.	DATE
6E	11/09
6D	8/07
6C	5/07
6B	2/07
6A	10/06

Packaging Specifications

Method: Tape & Reel
PKG-0325
www.midcom-inc.com

Tolerances unless otherwise specified:
Angles: $\pm 1^\circ$ Decimals: $\pm .005$ [.13]
Fractions: $\pm 1/64$ Footprint: $\pm .005$ [.13]
This drawing is dual dimensioned. Dimensions in brackets are in millimeters.

DRAWING TITLE

TRANSFORMER

eiSos p/n: 750052237

ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
6E D.C. RESISTANCE 16-11	@20°C	1.95 ohms $\pm 10\%$
6E D.C. RESISTANCE 14-9	@20°C	2.90 ohms $\pm 10\%$
6E D.C. RESISTANCE 1-3	@20°C	2.45 ohms $\pm 10\%$
6E D.C. RESISTANCE 2-4	@20°C	2.45 ohms $\pm 10\%$
6E D.C. RESISTANCE 5-7	@20°C	0.245 ohms $\pm 10\%$
6E D.C. RESISTANCE 6-8	@20°C	0.245 ohms $\pm 10\%$
INDUCTANCE 16-9	tie(11+14), 10kHz, 100mVAC, Ls	1.40mH $\pm 10\%$
LEAKAGE INDUCTANCE 16-9	tie(11+14, 6+7, 5+8), 100kHz, 100mVAC, Ls.	20uH max.
LEAKAGE INDUCTANCE 16-9	tie(11+14, 2+3, 1+4), 100kHz, 100mVAC, Ls.	18 - 28uH
6E INTERWINDING CAPACITANCE 16-5	tie(11+14, 6+7), 100kHz, 100mVAC, Cs	50pF max.
6E INTERWINDING CAPACITANCE 16-1	tie(11+14, 2+3), 100kHz, 100mVAC, Cs	40pF max.
DIELECTRIC 16-1	tie(11+14, 2+3), 1875VAC, 1 second	1500VAC, 1 minute
DIELECTRIC 16-5	tie(11+14, 6+7), 1875VAC, 1 second	1500VAC, 1 minute
URNS RATIO	(16-9):(5-8), tie(11+14, 6+7)	4.2:1, $\pm 2\%$
URNS RATIO	(16-9):(1-4), tie(11+14, 2+3)	1:1, $\pm 2\%$
URNS RATIO	(16-11):(5-7)	4.2:1, $\pm 2\%$
URNS RATIO	(16-11):(1-3)	1:1, $\pm 2\%$
6E TOTAL HARMONIC DISTORTION	30kHz, 2Vrms across PRI, 5.7 ohm load on transmit and 1k ohm load on receive, 100 ohm input, tie(11+14, 2+3, 6+7)	-90dB max. ¹
6E/6D LONGITUDINAL CONVERSION LOSS ²	20k - 2.2MHz	See Table in Footnotes
INSERTION LOSS	300kHz, 5.7 ohm load	1.2dB max.

6E ¹Using Audio Precision System Two Distortion Analyzer.

²Per Infineon Technologies' LCL test procedure.

6D

FREQ.	LCL LIMITS					
	TERM. 1	TERM. 2-3	TERM. 4	TERM. 5	TERM. 6-7	TERM. 8
1.1MHz	>45dB	>57dB	>45dB	>45dB	>45dB	>45dB
2.2MHz	>38dB	>51dB	>38dB	>38dB	>38dB	>38dB

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE: -40°C to +85°C.

Designed to comply with the following requirements as defined by IEC60950-1,

EN60950-1, UL60950-1/CSA60950-1 and AS/NZS60950.1:

- Supplementary insulation for a primary circuit at a working voltage of 250Vrms.

6B/6D

AGENCY NUMBER
IEC60950-1 (Via CB cert.)
US/11447/UL
JAPAN (Via CB cert.)
US/11447/UL
ACA/AUSTEL (Via CB cert.)
US/11447/UL
UL CODE FILE# E205930
AE

DRAWING NO.

52237R-LF1

Midcom WE
www.midcom-inc.com

REVISIONS: SEE SHEET 1

SCALE ---

SHEET 2 OF 7