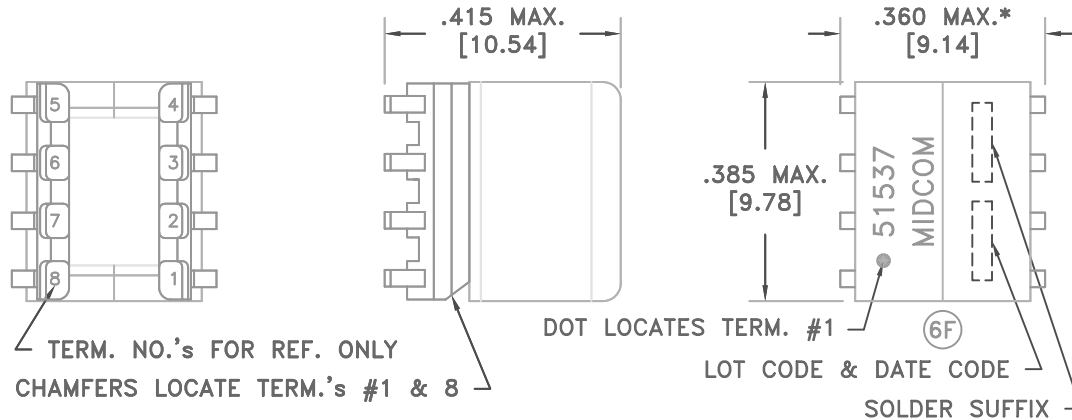


PART NUMBER	SOLDER SUFFIX	SOLDER	(6F)
51537R		Sn63%, Pb37%	
51537R-LF1	LF1	Sn96%, Ag4%	



\* DIMENSION MAY BE EXCEEDED WITH SOLDER ONLY

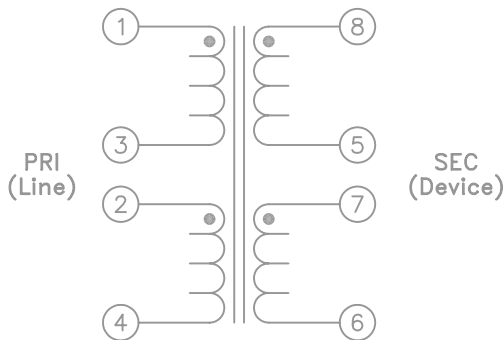


TERM. NO.'s FOR REF. ONLY  
CHAMFERS LOCATE TERM.'s #1 & 8

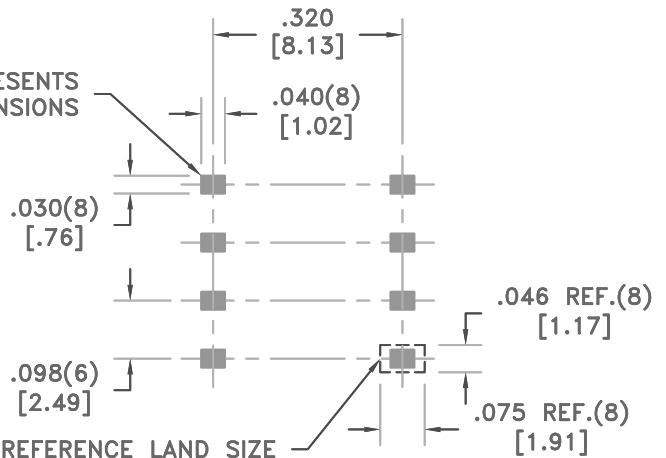
DOT LOCATES TERM. #1

LOT CODE & DATE CODE

SOLDER SUFFIX



AREA REPRESENTS  
TERMINAL PAD DIMENSIONS



REFERENCE LAND SIZE

(6D) CUSTOMER TO DETERMINE LAND LAYOUT

**ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:**

LONGITUDINAL BALANCE: 46dB min., 20k - 1.1MHz, per ITU Method (L->M).

D.C. RESISTANCE (@20°C):  
 1-3, 0.43 ohms ±10%.  
 2-4, 0.43 ohms ±10%.  
 8-5, 0.56 ohms ±10%.  
 7-6, 0.56 ohms ±10%.

DIELECTRIC RATING: 1500VAC, 1 minute tested by applying 1875VAC for 1 second between 1-8(tie 2+3, 5+7).

INDUCTANCE: 122uH ±10%, 10kHz, 100mVAC, 1-4(tie 2+3), Ls.

LEAKAGE INDUCTANCE: 4uH max., 100kHz, 100mVAC, 6-8(tie 2+3, 5+7, 1+4), Ls.

TURNS RATIO: (1-4):(8-6) = 1.1:1, tie(2+3, 5+7), ±1%.

INTERWINDING CAPACITANCE: 40pF max., 10kHz, 1.0VAC, 1-8(tie 2+3, 5+7), Cs.

TOTAL HARMONIC DISTORTION: -80dB max., 100kHz, 2.0Vrms across PRI, 83 ohm load, 100 ohm input, tie(2+3, 5+7).

Designed to comply with the following requirements as defined by IEC60950, EN60950, UL60950/CSA60950 and AS/NZS60950:

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

**DETAILS SUBJECT TO CHANGE**

AGENCY NUMBER	
BABT	NC/11598
UL 60950	E205930
CSA 60950 (Via CUL)	E205930
IEC 60950	*NO 30866
ACA/AUSTEL	*NO 30866
JAPAN	*NO 30866
*DEMONSTRATES TO COMPLY VIA NEMKO TEST REPORT.	

Midcom, Inc.  
 Watertown, SD USA  
 Toll Free: 800-643-2661  
 Fax: 605-886-4486

Unless otherwise specified:  
 Tolerances: Fractions: ±1/64  
 Angles: ±1° Decimals: ±.005 [ .13 ]

DRAWING TITLE

**TRANSFORMER**  
 750 051 537

REVISIONS: SEE SHEET 1

Midcom

DRAWING NO.

**51537R/-LF1**

(6F)

REV.

6F  
 12/04

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

SCALE ---

SHEET 2 OF 6

DWG.# 51537R/-LF1