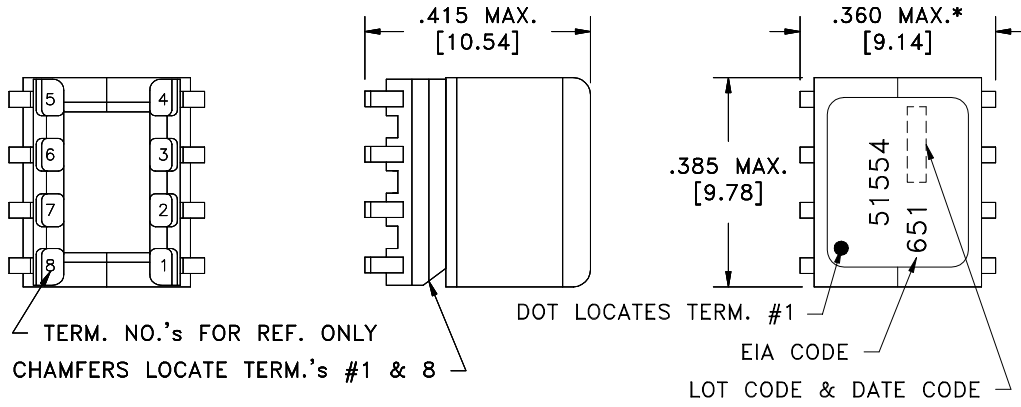


\* DIMENSION MAY BE EXCEEDED WITH SOLDER ONLY

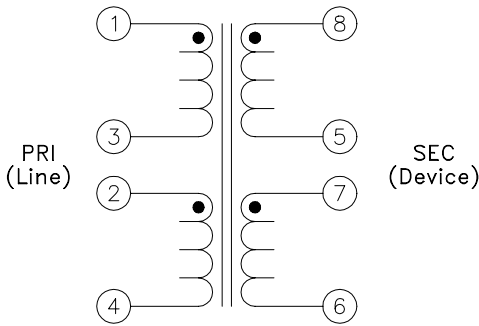


TERM. NO.'s FOR REF. ONLY  
CHAMFERS LOCATE TERM.'s #1 & 8

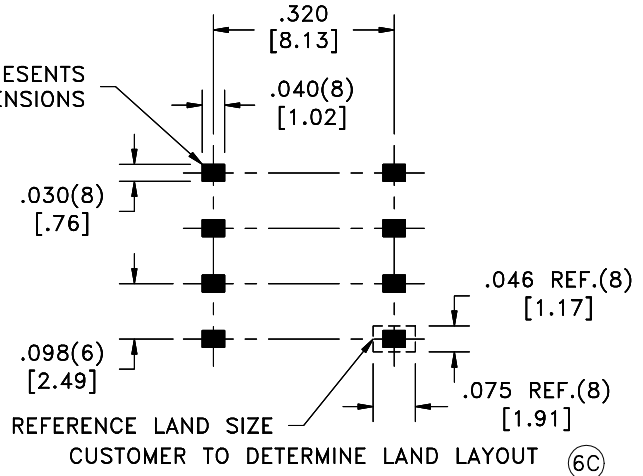
DOT LOCATES TERM. #1

EIA CODE

LOT CODE & DATE CODE



AREA REPRESENTS  
TERMINAL PAD DIMENSIONS



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

- LONGITUDINAL BALANCE: 45dB min., 20k - 1.1MHz, per ITU Method (L->M).
- D.C. RESISTANCE (@20°C):  
 1-3, 1.50 ohms ±10%.  
 2-4, 1.50 ohms ±10%.  
 8-5, 1.55 ohms ±10%.  
 7-6, 1.20 ohms ±10%.
- DIELECTRIC RATING: 1500VAC, 1 minute tested by applying 1875VAC for 1 second between 1-8(tie 2+3, 5+7).
- INDUCTANCE: 474uH ±6%, 10kHz, 100mVAC, 1-4(tie 2+3), Ls.
- LEAKAGE INDUCTANCE: 6uH max., 100kHz, 100mVAC, 1-4(tie 2+3, 5+7, 6+8), Ls.
- TURNS RATIO:  
 (1-4):(8-6) = 1.41:1, tie(2+3, 5+7), ±1.5%.  
 (8-5):(7-6) = 1:1, ±1%.  
 (1-3):(8-5) = 1.41:1, ±1.5%.
- INTERWINDING CAPACITANCE: 50pF max., 10kHz, 1.0VAC, 1-8(tie 2+3, 5+7), Cs.
- TOTAL HARMONIC DISTORTION: -80dB max., 100kHz, 5.3Vrms across PRI, 51 ohm load, 100 ohm input, tie(2+3, 5+7).
- OPERATING TEMPERATURE RANGE: -40°C to +85°C.

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

(6B)	
AGENCY NUMBER	
UL 60950	E205930
CSA 60950 (Via CUL)	E205930

**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**

REVISIONS: SEE SHEET 1

**Midcom**

DRAWING NO.

**51554R**

REV.

6D  
12/03

SCALE ---

SHEET 2 OF 7

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

DWG.# 51554R (6B)