



6D

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

- LONGITUDINAL BALANCE: 50dB min., 25k - 1.1MHz, per ITU Method (L->M).
- D.C. RESISTANCE (@20°C): 6-4, 1.40 ohms ±10%.  
1-3, 0.660 ohms ±10%.
- FREQUENCY RESPONSE: ±0.5dB, 60k - 1.1MHz, 772kHz reference.
- INSERTION LOSS: 0.5dB max., 772kHz.
- DIELECTRIC RATING: 1250VAC for 1 second between 6-1.
- INDUCTANCE: 530uH ±6%, 10kHz, 1.0VAC, 0/80mADC, 6-4, Ls.
- LEAKAGE INDUCTANCE: 10uH max., 100kHz, 100mVAC, 6-4(tie 1+3), Ls.
- TURNS RATIO: (6-4):(1-3) = 2:1, ±1%.
- TOTAL HARMONIC DISTORTION: -80dB max., 50kHz, 2Vrms across SEC, 25 ohm load, 100 ohm input.
- INTERWINDING CAPACITANCE: 50pF max., 10kHz, 1.0VAC, 6-1, Cs.
- OPERATING TEMPERATURE RANGE: -40°C to +85°C.

DETAILS SUBJECT TO CHANGE

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

DRAWING TITLE  
**TRANSFORMER**

**Midcom**

DRAWING NO.  
**50968R**

REV.  
6E  
7/04

REVISIONS: SEE SHEET 1

SCALE --- SHEET 2 OF 5

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

DWG # 50968R