

PART MUST INSERT FULLY TO SURFACE A IN RECOMMENDED GRID

* DIMENSION MAY BE EXCEEDED WITH SOLDER ONLY

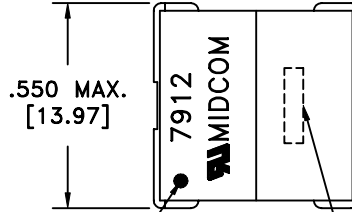
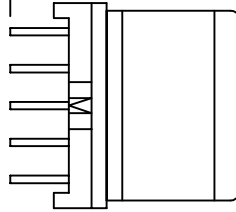
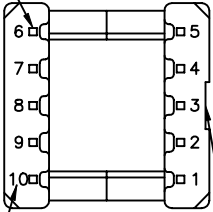
.021 SQ.(10)
[.53]

.100/.130 *
[2.54/3.30]

-A-

.500 MAX.
[12.70]

.550 MAX.
[13.97]



DOT LOCATES TERM. #1

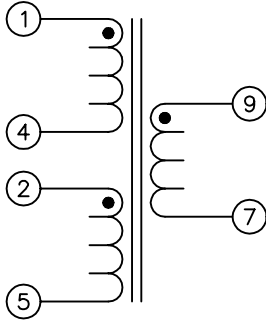
LOT CODE & DATE CODE

NOTCH LOCATES TERM. 1-5 SIDE

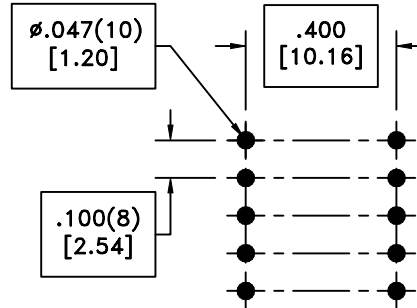
TERM. NO.'s FOR REF. ONLY

2:1

PRI
(Line)
135 ohms



SEC
(Device)
32 ohms



RECOMMENDED
P.C. PATTERN, COMPONENT SIDE

6E

6F 6E ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

- 6B LONGITUDINAL BALANCE: 50dB min., 40k - 300kHz, per ITU Method (L->M).
- 6B D.C. RESISTANCE (@20°C): PRI, 3.5 ohms max.
SEC, 2.2 ohms max.
- 6B FREQUENCY RESPONSE: ±0.1dB, 20k - 80kHz.
- 6B INSERTION LOSS: 0.5dB max., 50kHz, Rs = 135 ohms, RL = 32 ohms.
- DIELECTRIC RATING: 1500VAC for 1 second between PRI-SEC.
- 6E INDUCTANCE: 5mH ±6%, 10kHz, 1.0VAC, 1-5(tie 2+4), Ls.
- 6B 6E D.C. CURRENT: 100mA max. in PRI.
- RETURN LOSS: 17dB min., 20k - 80kHz, Rs = 135 ohms, RL = 32 ohms.
- TURNS RATIO: (1-5):(9-7) = 2:1, tie(2+4), ±1%.
- 6B TOTAL HARMONIC DISTORTION: -70dB max., 20kHz, 4.5Vp-p.
- OPERATING TEMPERATURE RANGE: -40°C to +85°C.

6G

AGENCY NUMBER	
UL	E205930
CSA (Via UL/CUL)	E205930

6B

DETAILS SUBJECT TO CHANGE

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.

671-7912

REV.

6G
8/05

SCALE ---

SHEET 2 OF 5

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

DWG # 671-7912