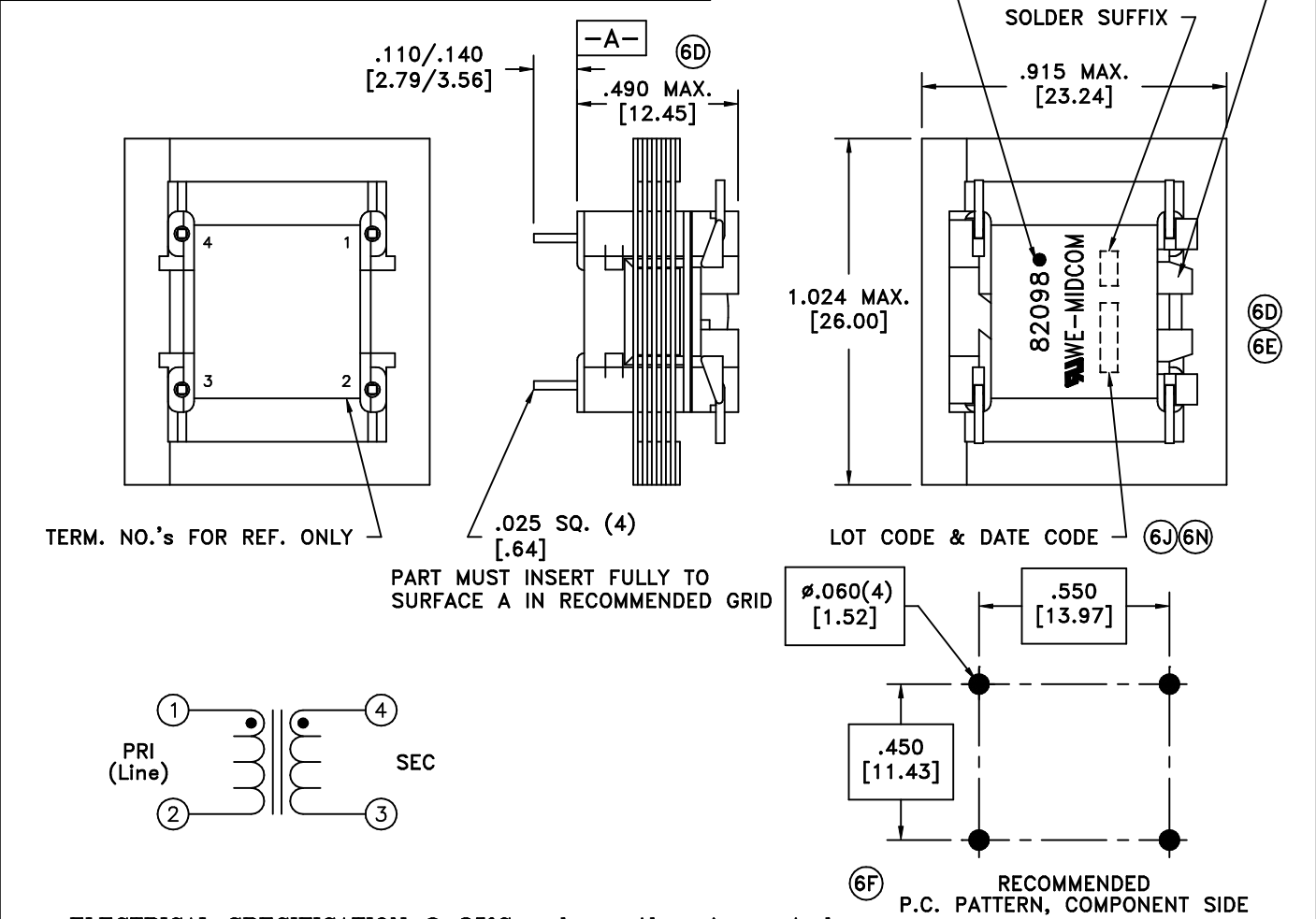


| SOLDER SUFFIX | CUSTOMER TERMINAL | RoHS | LEAD(Pb)-FREE | 6N |
|---------------|-------------------|------|---------------|----|
|               | Sn100%            | No   | No            |    |
| LF3           | Sn100%            | Yes  | Yes           |    |



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

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| IMPEDANCE:                 | Designed to reflect 600 ohms on PRI with 301 ohm load on SEC.              |
| LONGITUDINAL BALANCE:      | 60dB min., 200 – 1000Hz; 40dB min., 1000 – 4000Hz; per FCC 68.310.         |
| D.C. RESISTANCE (@20°C):   | PRI, 164 ohms ±10%. SEC, 168 ohms ±10%.                                    |
| FREQUENCY RESPONSE:        | ±0.25dB, 200Hz – 4kHz, ref. 1kHz.                                          |
| INSERTION LOSS:            | 3.2 ±0.50dB, 1kHz, 20°C.                                                   |
| DIELECTRIC RATING:         | 1500VAC, 1 minute tested by applying 1875VAC for 1 second between PRI-SEC. |
| D.C. CURRENT:              | None.                                                                      |
| INDUCTANCE:                | 20H typ., 200Hz, 1.0V, Lp.                                                 |
| RETURN LOSS:               | 25dB min. at 300Hz, 16dB min. at 3000Hz, vs. 600 ohms.                     |
| 6G TURNS RATIO:            | (4-3):(1-2) = 1:1, ±2%.                                                    |
| TOTAL HARMONIC DISTORTION: | See AD-82098 for test setup.                                               |
| LINE TO RECEIVE:           | -85dB max.(-90dB typ.), 600Hz, -10dBm input (V.90).                        |
| TRANSMIT TO LINE:          | -75dB max.(-79dB typ.), 150Hz, -3dBm output.                               |

6F 6N Designed to comply with the following requirements as defined by IEC60950-1, EN60950-1, UL60950-1/CSA60950-1 and AS/NZS60950.1:  
6L - Supplementary insulation for a primary circuit at a working voltage of 250Vrms.

| 6C 6E 6N AGENCY NUMBER      |            |
|-----------------------------|------------|
| 6L BAPT                     | NC/012412  |
| 6L 6F UL 60950-1            | E205930    |
| 6L 6F CSA 60950-1 (Via CUL) | E205930    |
| IEC 60950-1 (Via CB cert.)  | US/9300/UL |
| ACA/AUSTEL (Via CB cert.)   | US/9300/UL |
| JAPAN (Via CB cert.)        | US/9300/UL |

|                                                                                                       |                                                   |                                                                                                                          |                    |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------|
| Unless otherwise specified:<br>Tolerances:<br>Angles: ±1°<br>Fractions: ±1/64<br>Decimals: ±.005[.13] | DRAWING TITLE<br><b>TRANSFORMER</b><br>eiSos p/n: |  <b>Midcom</b><br>www.midcom-inc.com | DWG.# 82098/U/-LF3 |
|                                                                                                       | REVISIONS: SEE SHEET 1                            | DRAWING NO. <b>82098/U/-LF3</b><br>SCALE --- SHEET 2 OF 6                                                                |                    |