

**10/100 BASE-T PULSE TRANSFORMER**  
**P/N: 16ST6125 DATE SHEET**

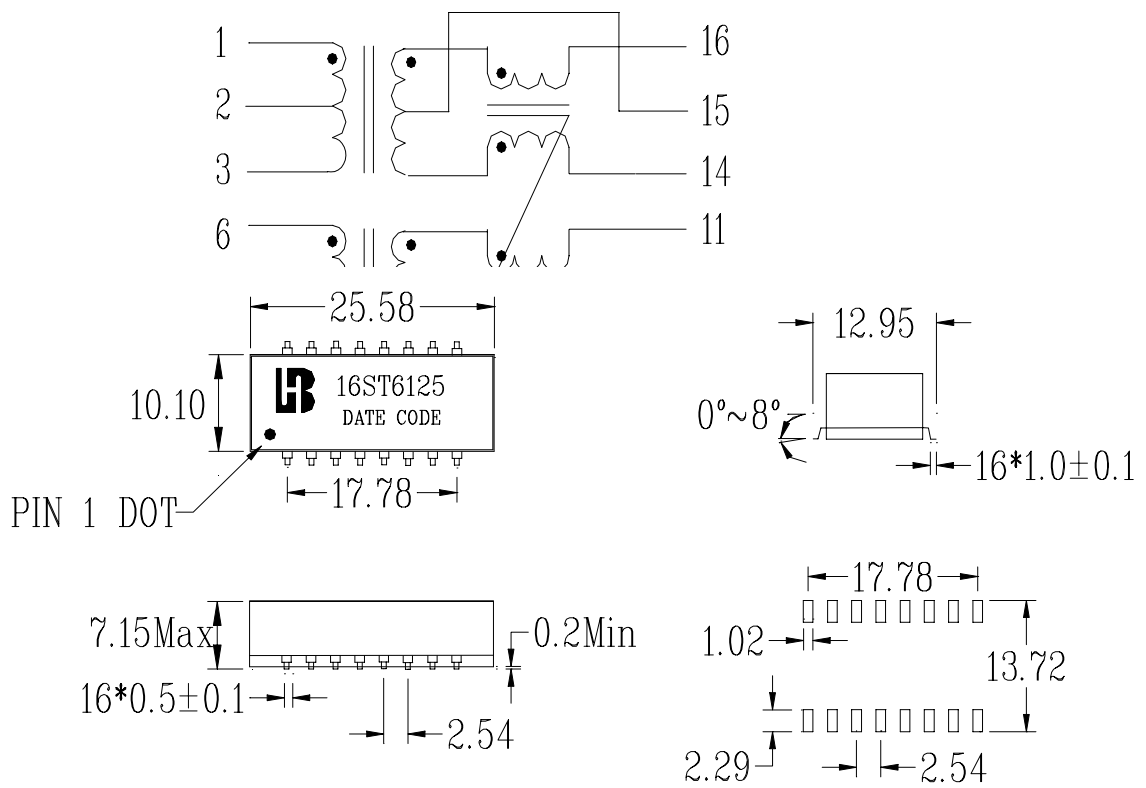
**A.GENERAL SPECIFICATIONS:**

- 1.16 PIN SMD PACKAGE WITH COMMON CHOKE TO MEET IEEE 802.3
- 2.MORE ECONOMICAL THAN DISCRETE TRANSFORMERS
- 3.OPERATING TEMP RANGE:0°C TO +70°C
- 4.STORAGE TEMP RANGE: -25°C TO +125°C

**B.ELECTRICAL SPECIFICATIONS:**

- 1.TURN RATIO: TX=1.25CT: 1CT PIN1-3: 16-14, RX=1CT: 1CT PIN6-8:11-9
2. INSULATION VOLTAGE: 1500Vrms MIN
3. DCR(TX&RX): 0.  $\Omega$
- 4..OCL (TX&RX): 350 uH Min AT 100KHz/0.1V WITH 8mA DC BIAS
5. L.EAKAGE INDUCTANCE (TX&RX): 0.4 uH Max@100KHz/0.2V
6. Cw/w (TX&RX): 28 pF Max

**C. SCHEMATIC & DIMENSIONS & MARKING (UNITmm)**



Tolerance :  $\pm 0.25$

PCB suggested pad layout