

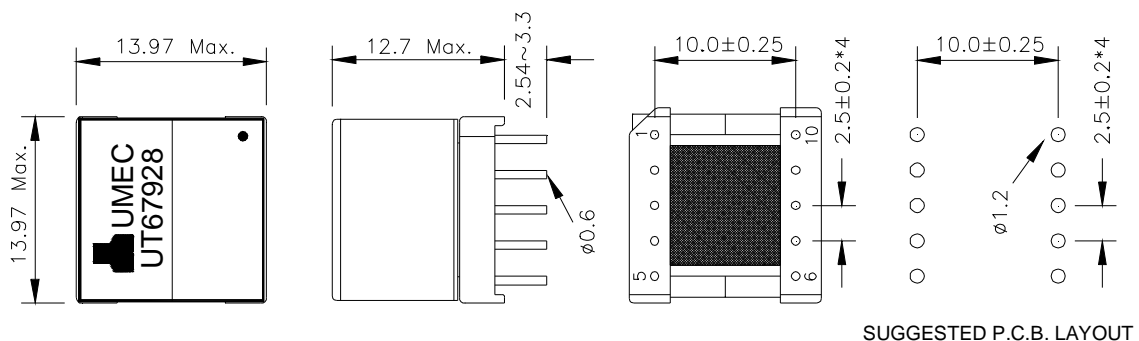
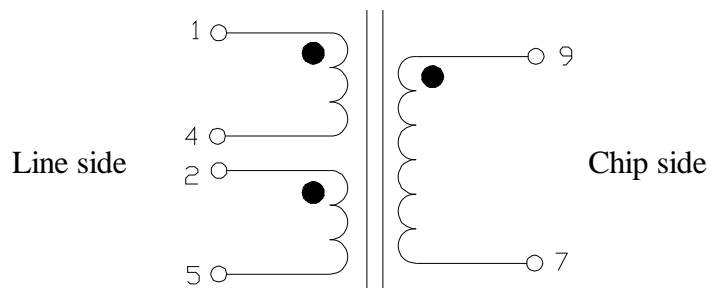
HDSL

| UM MODEL NO.: | SPECIFICATIONS | REV. | |
|---------------|---|------|---------|
| UT67928 | HDSL Transformer for Brooktree BT8921/BT8970-1168kbps | B6 | 2001/28 |

Electrical specification at 25 °C:

- 1.) Turns Ratio and Polarity : 2.0CS : 1 ±2% , Line Side to Chip Side .
- 2.) D.C.R : 2.5Ω max. , PIN(1-5) ; PIN(4-2) shorted .
1.0Ω max. , PIN(9-7) .
- 3.) Line side Inductance : 2.0mH ±6% , at 10KHz 100mV, PIN(1-5) ; PIN(4-2) shorted .
- 4.) DC. Current : 160mA max .
- 5.) Leakage Inductance : 11uH max. , at 100KHz 100mV, PIN(1-5) ; PIN(4-2)&PIN(9-7) shorted.
- 6.) Insertion Loss : 0.5dB max. , at 300KHz .
- 7.) Frequency Response : ±0.1dB , 40KHz to 300KHz .
- 8.) Longitudinal Balance : 50dB min. , 40KHz to 300KHz .
- 9.) Return Loss : 16.5dB min. , 40KHz to 300KHz .
- 10.) Total Harmonic Distortion : -70dB max. , at 40KHz 14dBm.
- 11.) HI-pot test : 1500Vac 2s , Line side to Chip side .
- 12.) Operating Temperature : -40°C to 85°C .

Schematic diagram & Dimension:



NOTE: Specifications are subject to change without prior notice.

UNIT : mm

Tolerances : ±0.2mm



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