

# HDSL

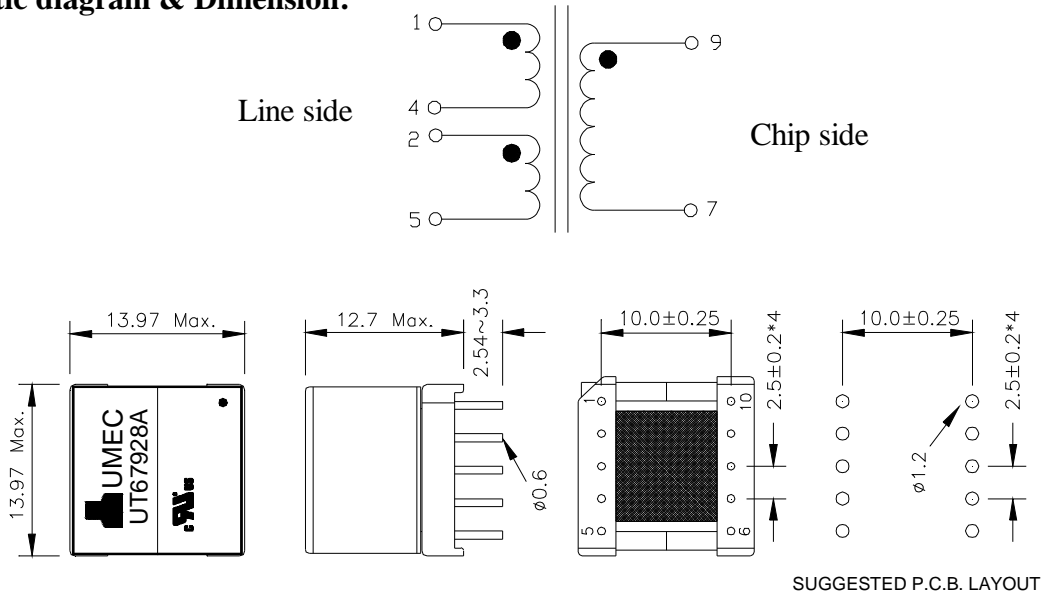
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT67928A	HDSL Transformer for Brooktree BT8921/BT8970-1168kbps	B3	2001/28

### Electrical specification at 25<sup>0</sup>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 40KHz .
- 7.) Frequency Response : ±0.25dB , 33KHz to 110KHz .
- 8.) Longitudinal Balance : 50dB min. , 40KHz to 300KHz .
- 9.) Return Loss : 16.5dB min. , 40KHz to 300KHz .
- 10.) Total Harmonic Distortion : -70dB max. , at 20KHz 4.5Vpp .
- 11.) HI-pot test : 2500Vac 2s , Line side to Chip side .
- 12.) Operating Temperature : -40<sup>0</sup>C to +85<sup>0</sup>C

Note: the transformer meets the specifications for supplementary insulation per IEC 950 with working voltage of 250V.

### Schematic diagram & Dimension:



NOTE: Specifications are subject to change without prior notice.

UNIT : mm

Tolerances : ±0.2mm

### AGENCY APPROVALS

UL1950	: File Number E212730		
CSA 950 (via C-UL)	: File Number E212730		



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