

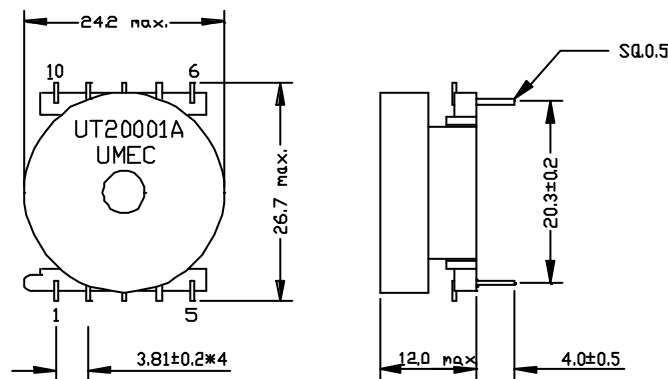
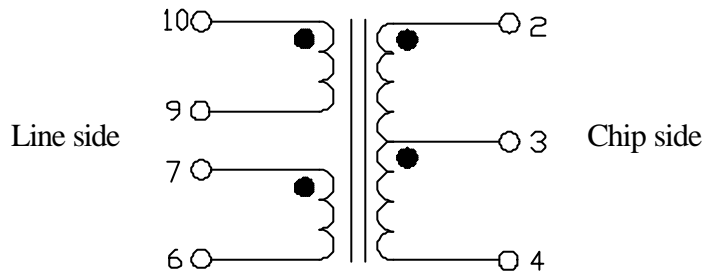
# HDSL

UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20001A	HDSL Transformer for Brooktree BT8960-416kbps	A0	2000/46

### Electrical specification at 25°C:

- 1.) Turns Ratio and Polarity : 2.0CS : 1CT  $\pm 2\%$  , Line side to Chip side .
- 2.) D.C.R : 2.2 $\Omega$  max. , PIN(10-9) .  
2.2 $\Omega$  max. , PIN(7-6) .  
2.2 $\Omega$  max. , PIN(2-4).
- 3.) Line side Inductance : 3.5mH $\pm 10\%$  , at 10KHz 100mV, PIN(10-6) ; PIN(9-7) shorted .
- 4.) DC. Current : 70mA max .
- 5.) Leakage Inductance : 12uH max. , at 100KHz 100mV, PIN(10-6) ; PIN(2-3-4)&PIN(9-7) shorted.
- 6.) Longitudinal Balance : 55dB min. , at 104KHz .
- 7.) Return Loss : 16.5dB min. , 33KHz to 110KHz .
- 8.) Total Harmonic Distortion : -70dB typ. , at 100KHz 14dBm .
- 9.) HI-pot test : 1500Vac 2s , Line side to Chip side .
- 10.) Operating Temperature : -40°C to 85°C .

### Schematic diagram & Dimension:



Note: Specifications are subject to change without prior notice.

UNIT : mm

Tolerances :  $\pm 0.2$ mm

E10-032-C



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