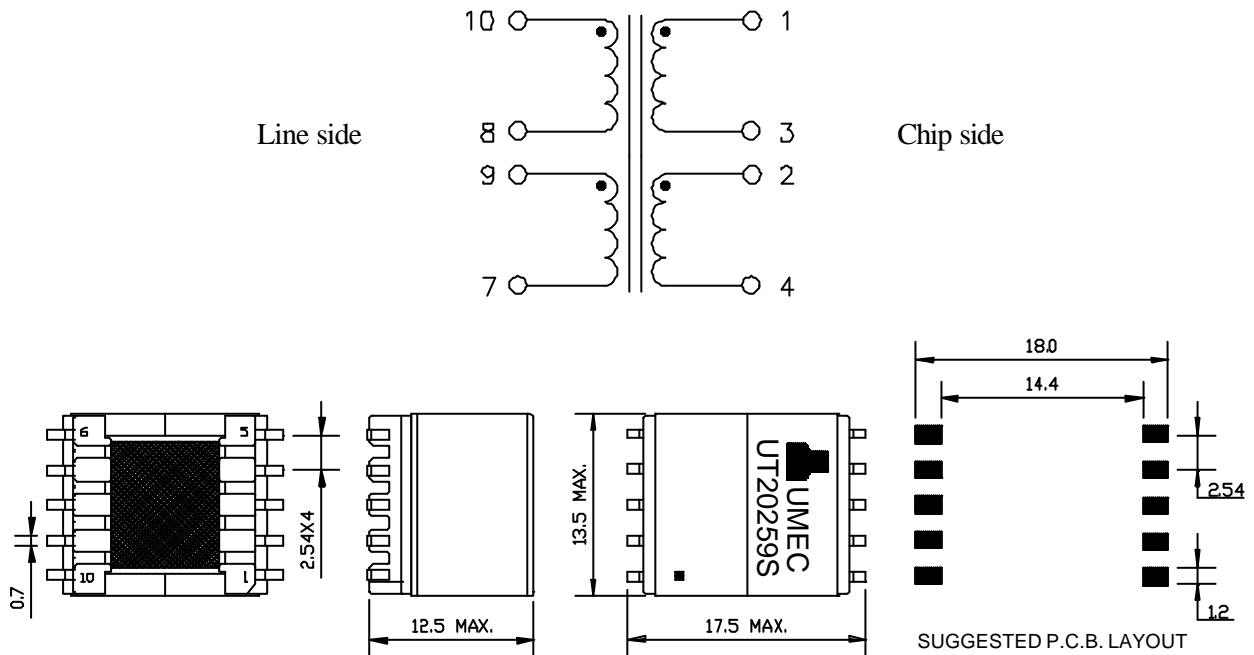


UM PART NO.:	SPECIFICATIONS	REV.	
UT20259S	ADSL Transformer for ADI Eagle Analog Receive, CPE, ADSL OVER POTS	A1	2002/08

Electrical specification at 25°C:

- 1.) Turns Ratio and Polarity : 1CS : 1.4CS \pm 1% , Line side to Chip side.
- 2.) D.C.R. : 0.50 Ω \pm 10% . , PIN(10-8) .
: 0.50 Ω \pm 10% . , PIN(9-7) .
: 0.60 Ω \pm 10% , PIN(1-3) .
: 0.80 Ω \pm 10% , PIN(2-4) .
- 3.) Line side Inductance : 400uH \pm 5% , at 100KHz 2V, PIN(10-7); PIN(9-8) shorted.
- 4.) Leakage Inductance : 10.0uH max. ,at 100KHz 100mV, PIN(1-4) ; PIN(3-2)&PIN(10-8-9-7) shorted.
- 5.) Interwinding Capacitance : 40pF max., 10KHz 1V , PIN(10-8-9-7) to PIN(1-3-2-4)
- 6.) Insertion Loss : 0.5dB max. at 300KHz 0dBm .
- 7.) Frequency Response : \pm 3.0dB , at 30KHz~1.1MHz , ref 300KHz .
- 8.) Longitudinal Balance : 46dB min. , 10KHz~1.1MHz .
- 9.) T.H.D. : -80dB max. ,at 100KHz 4V .
- 10.) HI-pot test : 1500Vac 60s or 1875Vac 1s , Line side to Chip side .

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

Schematic diagram & Dimension:


NOTE: 1. PACKAGING INFORMATION-TAPE AND REEL ACCORDING TO ITEM NO. "EP13(SMD)" OF DATA SHEET 01-00
2. Specifications are subject to change without prior notice.

UNIT : mm Tolerances : \pm 0.2mm E10-033-B

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