

# ADSL

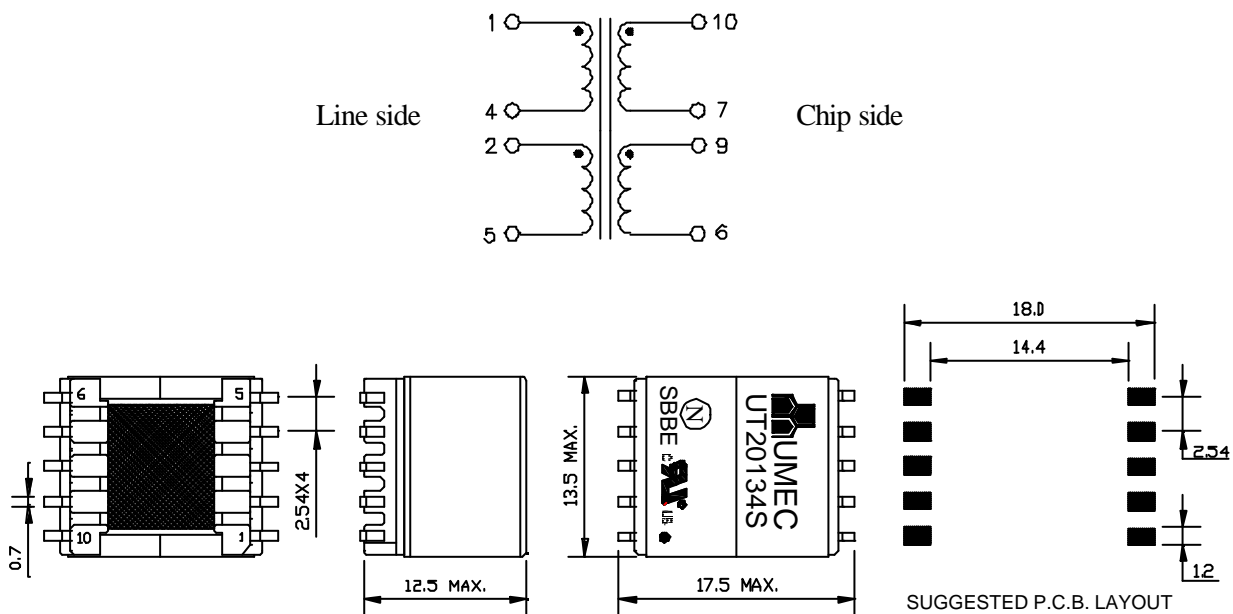
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20134S	ADSL Transformer for Globespan IC (GS-7070)	A7	2005/27

## Electrical specification at 25°C:

- 1.) Turns Ratio and Polarity : 1CS : 1CS  $\pm 2\%$  , Line side to Chip side.
- 2.) D.C.R. : 0.39 $\Omega \pm 10\%$  , PIN(1-4) .  
: 0.39 $\Omega \pm 10\%$  , PIN(2-5) .  
: 0.33 $\Omega \pm 10\%$  , PIN(10-7) .  
: 0.33 $\Omega \pm 10\%$  , PIN(9-6) .
- 3.) Line side Inductance : 407.5uH  $\pm 5\%$  , at 10KHz 100mV, PIN(1-5) ; PIN(2-4) shorted.
- 4.) Leakage Inductance : 10uH max. ,at 10KHz 100mV, PIN(1-5) ; PIN(2-4)&PIN(10-7-9-6) shorted.
- 5.) Interwinding Capacitance : 25pF max. , at 10KHz 1V , PIN(1-4-2-5) : PIN(10-7-9-6)
- 6.) Longitudinal Balance : 50dB min. , 20KHz ~ 1.1MHz .
- 7.) Insertion Loss : 0.5dB max. , at 772KHz .
- 8.) Frequency Response :  $\pm 3.0$ dB max. , 20KHz ~ 2MHz .
- 9.) T.H.D. : -80dB typ. , at 40KHz 5.3V .
- 10.) HI-pot test : 1500Vac 60s or 1875Vac 1s , Line side to Chip side .
- 11.) Operating Temperature : -40 to +85 °C

**Note: The SBBE series transformer meets the specifications for supplementary insulation per UL60950-1, CSA60950-1, IEC60950-1 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 :  $\pm 0.2$ mm

## AGENCY APPROVALS

UL60950-1	: FILE NO. E212730	IEC60950-1	: CB Rrf. #DK-8600
CSA 60950-1 (via C-UL)	: FILE NO. E212730	Nordic, Japan, &Australia Deviations	: CB Rrf. #DK-8600
Nemko (EN60950-1)	: Certificate NO. P05203908		



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