

# ADSL

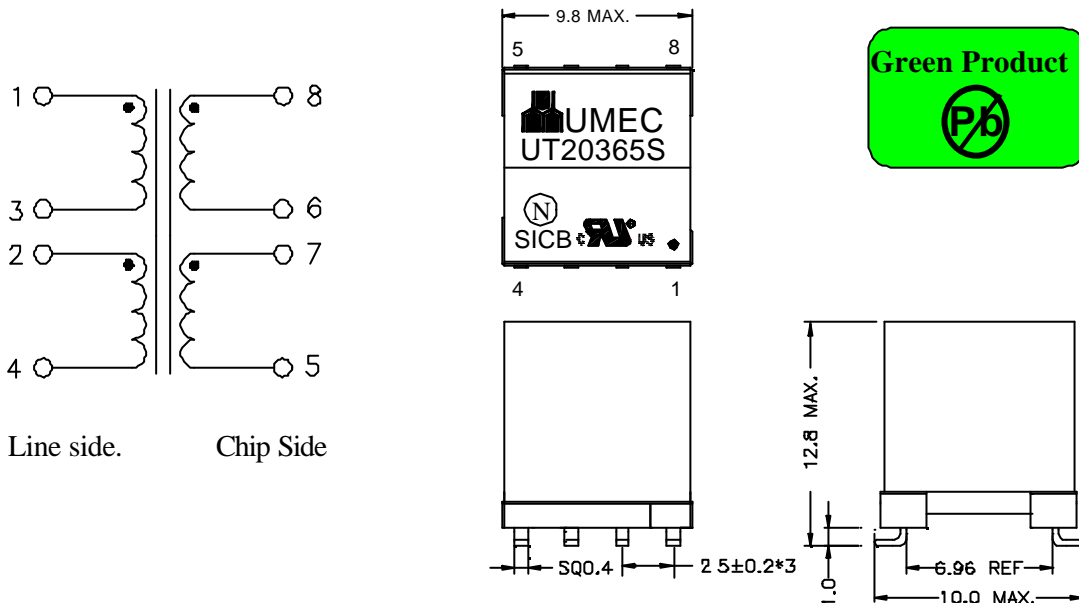
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20365S	ADSL Transformer	A2	2006/06

### Electrical specification at 25°C:

- 1.) Turns Ratio and Polarity : 0.92CS : 1CS ±2% , Line side to Chip side.
- 2.) D.C.R. : 1.00Ω max., PIN(8-6) .  
: 1.00Ω max., PIN(7-5) .  
: 0.62Ω max., PIN(1-3) .  
: 0.80Ω max., PIN(2-4) .
- 3.) Line Side Inductance : 850uH ±10% , at 10KHz 100mV, PIN(1-4); PIN(3-2) shorted.
- 4.) Leakage Inductance : 5.0uH max. ,at 100KHz 100mV, PIN(1-4) ; PIN(2-3)&PIN(8-6-7-5) shorted.
- 5.) Insertion Loss : 0.6dB max. , at 500KHz 0dBm.
- 6.) T.H.D. : -61.0dB max. ,at 10KHz 2V .
- 7.) HI-pot test : 1500Vac 60s or 1875Vac 1s , Line side to Chip side .
- 8.) Operating Temperature : -40°C to 85°C

Note: The SICB series transformer meets the specifications for supplementary insulation per UL60950-1 , CSA-60950-1 , IEC60950-1, EN60950-1 with working voltage of 250V.

### Schematic diagram & Dimension:



- NOTE : 1. Packaging Information-Tape And Reel According To Item No. "AHT9L" Of Data Sheet 01-00  
 2. For RoHS compliant products:  
 a.) The UMEC ordering code: **TG-UT20365S**  
 b.) Date Code suffix to "G" (xxxxG).  
 c.) Solder : Sn/Ag/Cu .  
 3. Specifications are subject to change without prior notice.  
 4. Patent Pending Core Type (USA and Foreign)

UNIT : mm

Tolerances : ±0.2mm

### 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. P05203901		



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E10-033-C