

G.SHDSL

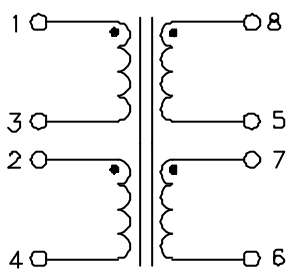
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20370S	G.SHDSL Transformer	A1	2005/49

Electrical specification at 25°C:

- 1.) Turns Ratio and Polarity : 0.7CS : 1CS \pm 2% , Line side to Chip side.
- 2.) D.C.R. : 8.0 Ω max. , PIN(1-3-2-4) .
: 10.0 Ω max. , PIN(8-5-7-6) .
- 3.) Line side Inductance : 3.18mH \pm 7% , at 10KHz 100mV, PIN(1-4); PIN(2-3) shorted.
- 4.) Leakage Inductance : 15uH max. ,at 100KHz 100mV, PIN(1-4) ; PIN(2-3)&PIN(8-5-7-6) shorted.
- 5.) Insertion Loss : 1.5dB max. , at 100KHz , 0dBm .
- 6.) Longitudinal Balance : 45dB min. , 20KHz~500KHz .
- 7.) T.H.D. : -78dB max. , at 5KHz 2V .
- 8.) HI-pot test : 1500Vac 60s or 1875Vac 1s , Line side to Chip side .
- 9.) Operating Temperature : -40°C to 85°C

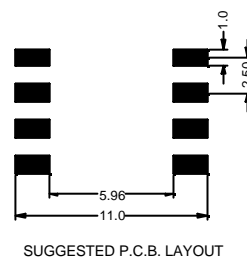
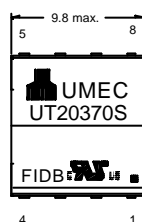
Note: The FIDB series transformer meets the specifications for Functional insulation per UL60950-1 , CSA-60950-1 , IEC60950-1, with working voltage of 250V.

Schematic diagram & Dimension:



Line side.

Chip Side



SUGGESTED P.C.B. LAYOUT



DATA CODE SUFFIX TO "G" FOR GREEN PRODUCT (XXXXG)

- 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-UT20370S**
 - 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 : \pm 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



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E10-033-C