

ADSL

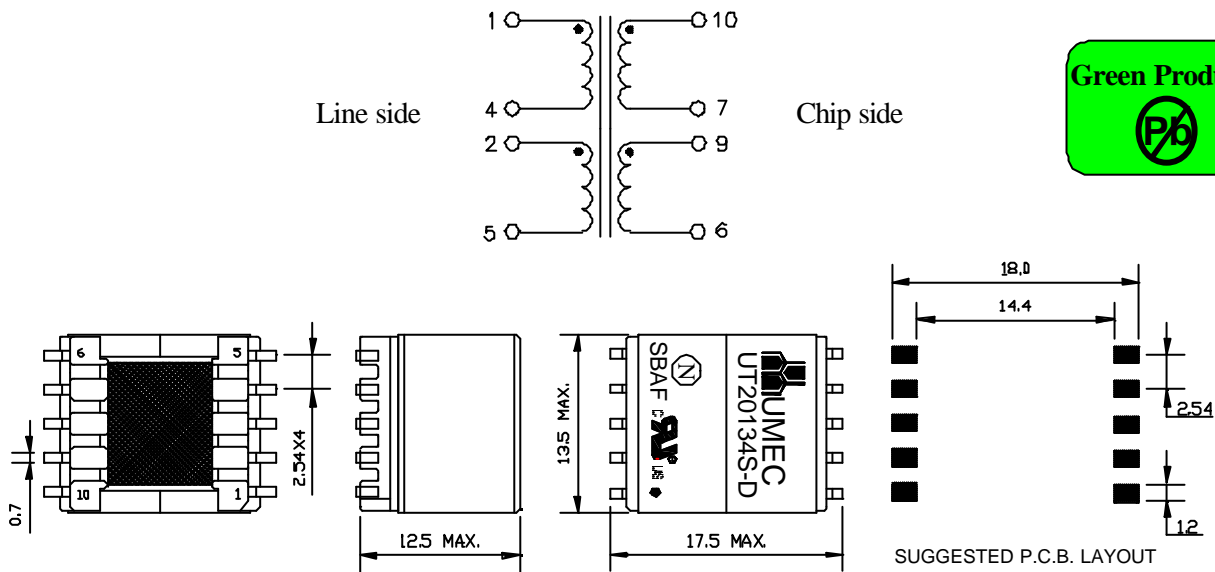
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20134S-D	ADSL Transformer for Globespan IC (GS-7070)	D3	2005/27

Electrical specification at 25°C:

- 1.) Turns Ratio and Polarity : 1CS : 1CS \pm 2% , Line side to Chip side.
- 2.) D.C.R. : 0.47 Ω \pm 10% , PIN(1-4) .
: 0.47 Ω \pm 10% , PIN(2-5) .
: 0.57 Ω \pm 10% , PIN(10-7) .
: 0.57 Ω \pm 10% , PIN(9-6) .
- 3.) Line side Inductance : 440uH \pm 5% , at 10KHz 100mV, PIN(1-5) ; PIN(2-4) shorted.
- 4.) Leakage Inductance : 10uH max. ,at 100KHz 100mV, PIN(1-5) ; PIN(2-4)&PIN(10-7-9-6) shorted.
- 5.) Interwinding Capacitance : 35pF max. , at 10KHz 100mV , PIN(1-4-2-5) : PIN(10-7-9-6)
- 6.) Longitudinal Balance : 45dB min. , 20KHz ~ 1.1MHz .
- 7.) Insertion Loss : 0.5dB max. , at 772KHz .
- 8.) Frequency Response : \pm 3.0dB 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 SBAF 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. For RoHS compliant products:
 a.) The UMEC ordering code: **TG-UT20134S-D**
 b.) Date Code suffix to "G" (xxxxG).
 c.) Solder : Sn/Ag/Cu .
 3. Specifications are subject to change without prior notice.

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
Nemko (EN60950-1)	: Certificate NO. P05203908		



UNIVERSAL MICROELECTRONICS CO.,LTD.
 TEL:886-4-23590096 FAX:886-4-23590129
 http://www.umec-web.com Email:business@umec.com.tw

3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
 TAICHUNG,TAIWAN,R.O.C

E10-033-C