

ADSL

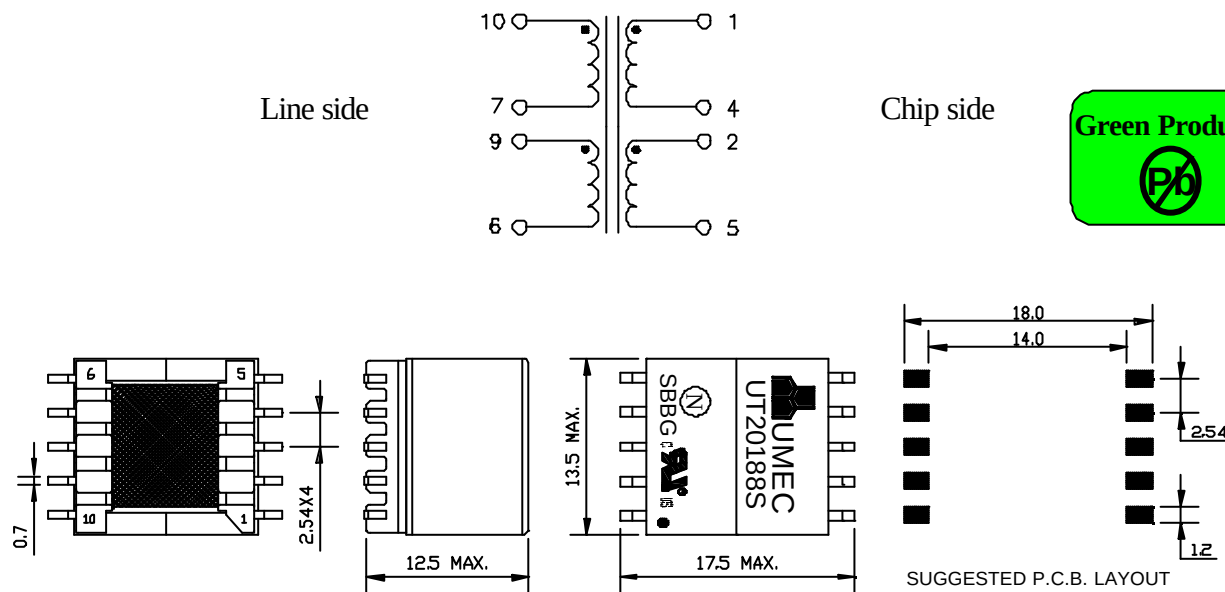
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20188S	ADSL Transformer for Conexant AccessRunner Chipset	A4	05/13

Electrical specification at 25 °C:

- 1.) Turns Ratio and Polarity : 3.3CS : 1CS $\pm 2\%$, Line Side : Chip Side .
- 2.) D.C.R : 0.55 Ω max. , PIN(10-7).
: 0.55 Ω max. , PIN(9-6) .
: 0.20 Ω max., PIN(1-4) .
: 0.20 Ω max., PIN(2-5) .
- 3.) Line Side Inductance : 800uH $\pm 5\%$, at 10KHz 100mV, PIN(10-6) ; PIN(7-9) shorted .
- 4.) Leakage Inductance : 10uH max. , at 100KHz 100mV, PIN(10-6); PIN(7-9)&PIN(1-4-2-5) shorted.
- 5.) Longitudinal Balance : 50dB min ., 30KHz ~ 1.1MHz .
- 6.) T.H.D : -87dB max. , at 30KHz 2.5Vrms .
- 7.) HI-pot test : 1500Vac 60s or 1875Vac 2s , Line side to Chip side .
- 8.) Operating Temperature : -40 to +85 °C

Note: The SBBG 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-UT20188S**
 - b.) Date Code suffix to "G" (xxxxG).
 - c.) Solder : Sn/Ag/Cu .
3. Specifications are subject to change without prior notice.

UNIT : mm

Tolerances : $\pm 0.2\text{mm}$

AGENCY APPROVALS

UL60950-1	: FILE NO. E212730	IEC950/EN60950	: CB JPTUV-005419
CSA 60950-1 (via C-UL)	: FILE NO. E212730	Nordic, Japan, & Australia Deviations	: CB JPTUV-005419
Nemko (EN60950-1)	: Certificate NO. P05203908	IEC60950-1	: in processing



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E10-033-C