

ADSL

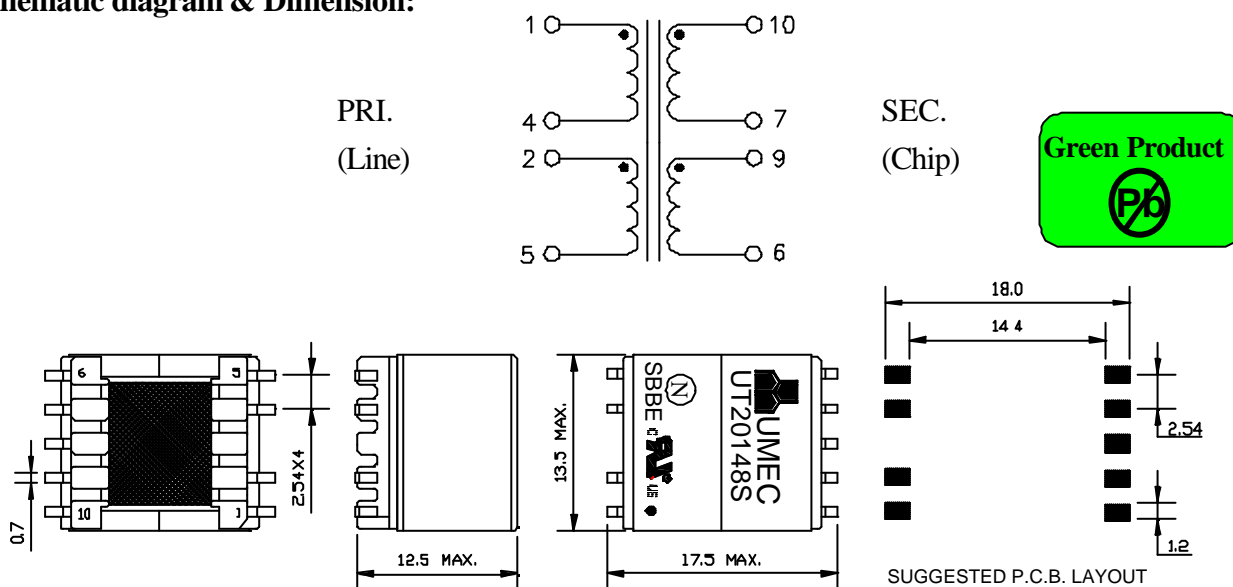
UM MODEL NO.: UT20148S	SPECIFICATIONS	REV.	
	ADSL Transformer for Alcatel MTK20150 ADSL Chipset	A7	05/27

Electrical specification at 25°C:

- 1.) Turns Ratio and Polarity : 2CS : 1CS $\pm 2\%$, PIN(1-4-2-5) : PIN(10-7-9-6) .
- 2.) D.C.R : 0.684 Ω max. , PIN(1-4) .
: 0.684 Ω max. , PIN(2-5) .
: 0.336 Ω max. , PIN(9-6) .
: 0.336 Ω max. , PIN(10-7) .
- 3.) Inductance : 409.5uH $\pm 5\%$, at 10KHz 100mV, PIN(1-5) ; PIN(4-2) shorted.
- 4.) Leakage Inductance : 7uH max. , at 100KHz 100mV, PIN(1-5) ; PIN(4-2)&PIN(10-7-9-6) shorted.
- 5.) Longitudinal Balance : 50dB min. , 30KHz ~ 1.1MHz
- 6.) THD : -80dB max. , at 40KHz 2.5V.
- 7.) HI-pot test : 1500Vac 60s or 1875Vac 2s , PRI. to SEC.
- 8.) 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. For RoHS compliant products:
 a.) The UMEC ordering code: **TG-UT20148S**
 b.) Date Code suffix to "G" (xxxxG).
 c.) Solder : Sn/Ag/Cu .
 3. Specifications are subject to change without prior notice.

UNIT : mm

Tolerances : ± 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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E10-033-C