

# ISDN

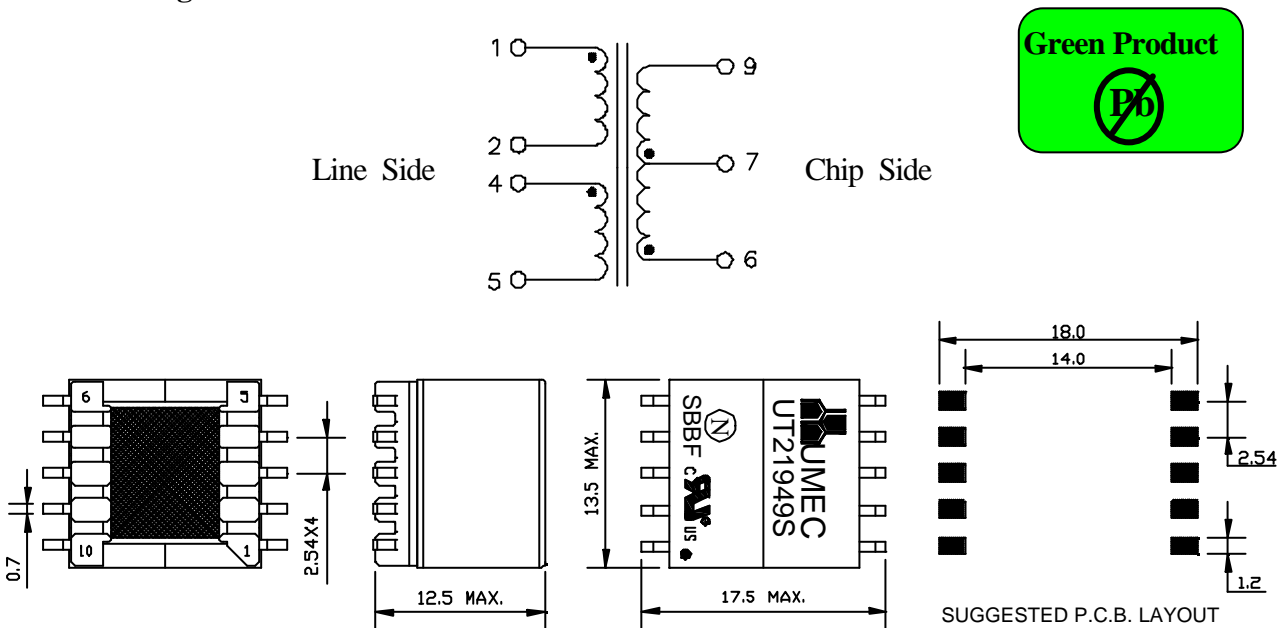
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT21949S	ISDN U-Interface Transformers Small Surface Mount Package For Applications in 2B1Q Coding	C3	05/52

### Electrical specification at 25<sup>0</sup>C:

- 1.) Turns Ratio and Polarity : 1.65CS : 1CT±2% , Line Side : Chip Side .
- 2.) D.C.R : 7.4Ω max. , Line Side .  
: 5.5Ω max. , Chip Side .
- 3.) Inductance : 13 ~ 18mH , at 10KHz 100mV 0~50mA , Line Side .
- 4.) Return Loss : 15dB min. , at 10KHz~25KHz .
- 5.) Longitudinal Balance : 55dB min. , at 281Hz~40KHz .
- 6.) HI-pot test : 1875Vac 0.5mA 2s , Line Side to Chip Side .
- 7.) Operating Temperature Range : -40°C to +85°C

**Note: The SBBF 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-UT21949S**
  - b.) Date Code suffix to "G" (xxxxG).
  - c.) Solder : Sn/Ag/Cu .
3. Specifications are subject to change without prior notice.

UNIT : mm

Tolerances : ± 0.2mm

### 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		



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