VDSL

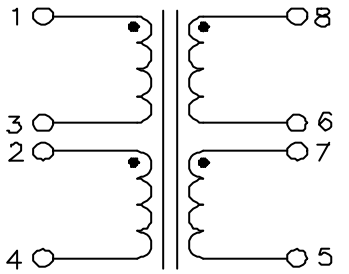
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20050S	Conexant, 1.1:1, VDSL/VDSL+ Line Transformer EP7LA, Supplementary Insulation	B0	06/10

Electrical specification at 25^{0}C:

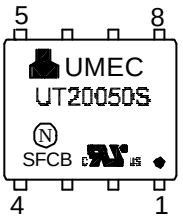
1.)Turns Ratio and Polarity	: 1.10 : 1.0±2% , Line Side to Chip Side .
2.)D.C.R	: 2.3Ω max . , PIN(1-4) with 2&3 shorted.
	: 2.0Ω max . , PIN(8-5) with 6&7 shorted
3.)Line side Inductance	: 800uH±10% , at 10KHz 100mV, PIN(1-4) with 2&3 shorted.
4.)Leakage Inductance	: 1.5uH max. , at 100KHz 100mV ,PIN(1-4) with 2&3,5&6&7&8 shorted.
5.)Interwinding Capacitance	: 50pF max. , at 80KHz 100mV , PIN(1-3-2-4) to PIN(8-6-7-5)
6.)T.H.D	: -75dB max. , at 25KHz 5Vrms.
7.)HI-pot test	: 1500Vac 60s or 1875Vac 2s , Line side to Chip side .

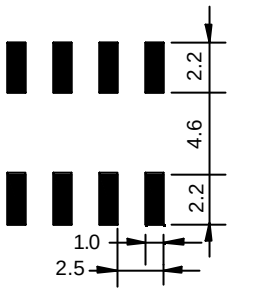
Note: The SFCB series transformer meets the specifications for supplementary insulation per UL60950-1, CSA60950-1, EN60950-1, IEC60950-1 with working voltage of 250V.

Schematic diagram & Dimensions:

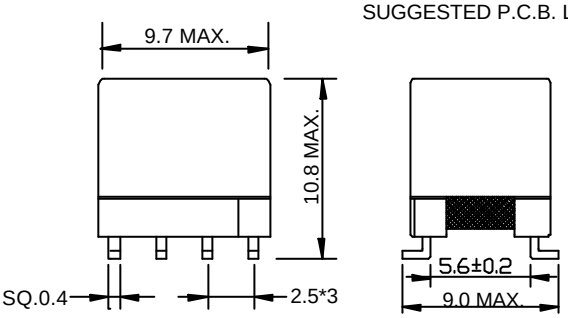


Line side Chip side





SUGGESTED P.C.B. LAYOUT



Green Product

NOTE: 1.Packaging Information-Tape And Reel According To Item No. "EP7LA" Of Data Sheet 01-00
2. For RoHS compliant products:
a.) The UMEC ordering code: **TG-UT20050S**
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

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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. P05203901		

E10-032-C

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