

# VDSL

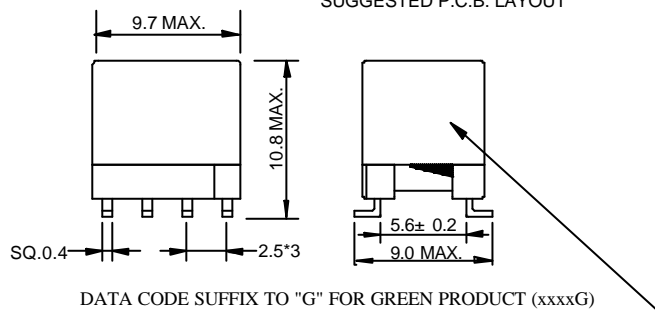
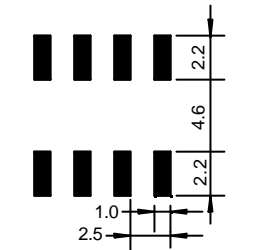
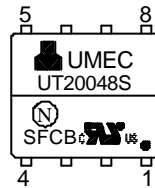
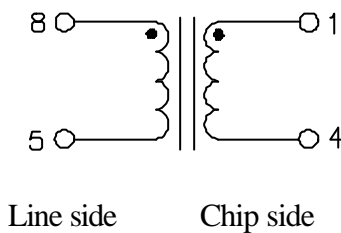
UM MODEL NO.:	SPECIFICATIONS	REV.	
UT20048S	VDSL Transformer	A0	05/40

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

- 1.) Turns Ratio and Polarity : 3 : 1±2% , Line Side to Chip Side .
- 2.) D.C.R : 1.0Ω max . , PIN(8-5) .  
: 0.2Ω max . , PIN(1-4) .
- 3.) Line side Inductance : 440uH typ., at 100KHz 100mV, PIN(8-5) .
- 4.) Magnetizing Resistance : 10KΩ min. , at 100KHz 100mV , PIN(8-5)
- 5.) Leakage Inductance : 0.7uH max. , at 1MHz 100mV , PIN(8-5) ; PIN(1-4) shorted .
- 6.) Interwinding Capacitance : 25pF max. , at 100KHz 100mV , PIN(8-5) to PIN(1-4)
- 7.) Insertion Loss : 2.0dB max. , @ 25KHz~32MHz .
- 8.) Longitudinal Balance : 35.0dB min., @ 25KHz~17MHz. (North Hill method)
- 9.) 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 & Dimension:



- 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-UT20048S**  
 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. P05203901		



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E10-032-C