

VDSL

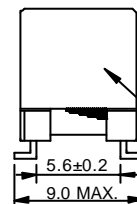
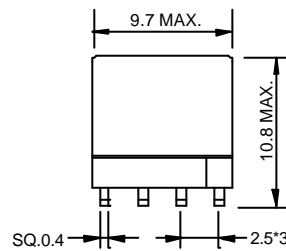
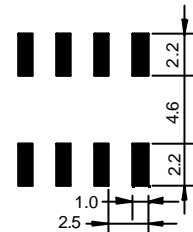
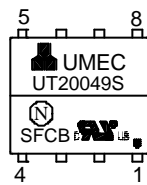
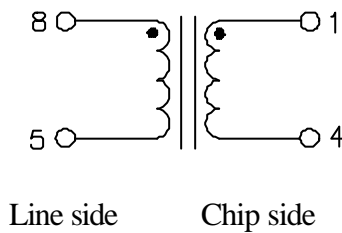
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|---------------|------------------|------|-------|
| UM MODEL NO.: | SPECIFICATIONS | REV. | |
| UT20049S | VDSL Transformer | A0 | 05/40 |

Electrical specification at 25⁰C:

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|------------------------------|--|
| 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 | : 100uH ±10% , 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 | : 3.0dB max. , @ 138KHz~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:



DATA CODE SUFFIX TO "G" FOR GREEN PRODUCT (xxxxG)

- 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-UT20049S**
 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