

# ADSL Transformer

## Using a Texas Instruments AC-5 chipset in his DSL Modem (WSL-9010TU)

**SPECIFICATIONS :**

**ELECTRICAL :**

D.C. RESISTANCE : 1-4 = 0.525 OHMS  $\pm$  15% (TIE2+3) @ 25°C

8-5 = 0.330 OHMS  $\pm$  15% (TIE6+7)

INDUCTANCE : 1-4 = 400  $\mu$ H  $\pm$  5% @ 10KHz , 0.1V Ls (TIE2+3)

URNS RATIO : (1-4) : (8-5) = 1.9 : 1.0

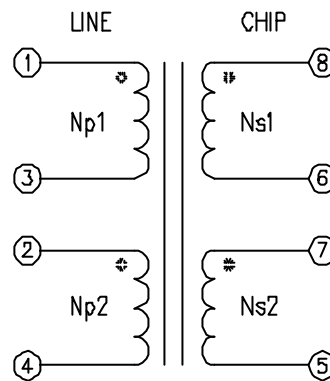
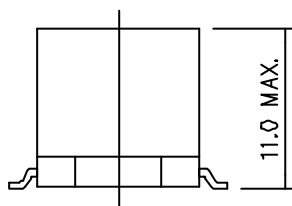
LEAKAGE INDUCTANCE : 6.0  $\mu$ H MAX. @ 100KHz , 0.1V Ls (TIE2+3 , 6+9 , 8+5)

TOTAL HARMONIC DISTORTION : -80 dB MAX. @ 100KHz , 15Vp-p , PRI.

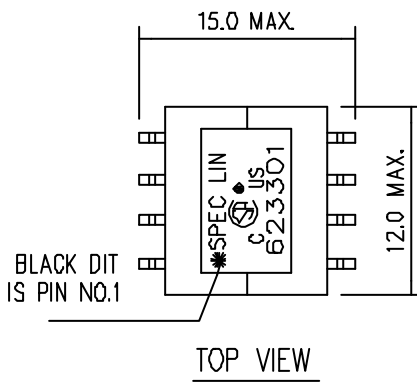
LONGITUDINAL BALANCE : 60 dB MIN. @ 100KHz , 0.1V

INTERWINDING CAPACITANCE : 15.0 pF MAX. @ 100KHz , 0.1V

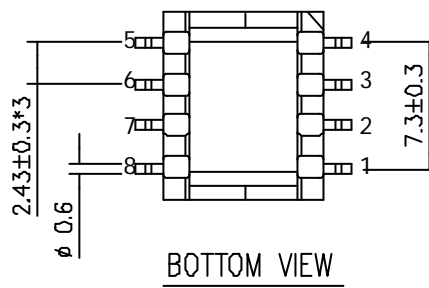
HI-POT TEST : 1500 VAC MIN. BETWEEN PRI. - SEC. 1mA FOR 1 MINUTE



SCHEMATIC



TOP VIEW



BOTTOM VIEW

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DRAWING NO.

**623301**

UNITS  
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SHEET  
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