

ADSL Transformer

SPECIFICATIONS :

ELECTRICAL :

IMPEDANCE : DESIGNED TO REFLECT 100 OHMS ON THE PRI. WITH 196 OHMS LOAD ON SEC.

D.C. RESISTANCE : 10-8 = 0.495 OHMS \pm 10% @ 25°C

9-7 = 0.495 OHMS \pm 10%

1-3 = 0.600 OHMS \pm 10%

2-4 = 0.780 OHMS \pm 10%

INDUCTANCE : 10-7= 400 μ H \pm 10% @ 100KHz , 2V Ls TIE(8+9)

URNS RATIO : (1-4) : (8-5) = 1 : 1.1 \pm 2% TIE(2+3,6+7)

LEAKAGE INDUCTANCE : 1-4 = 10 μ H MAX. @ 100KHz , 0.1V Ls TIE(2+3,8+9,7+10)

LONGITUDINAL BALANCE : 40 dB MIN. @ 10KHz - 1.1MHz PER ITU METHOD (L > M)

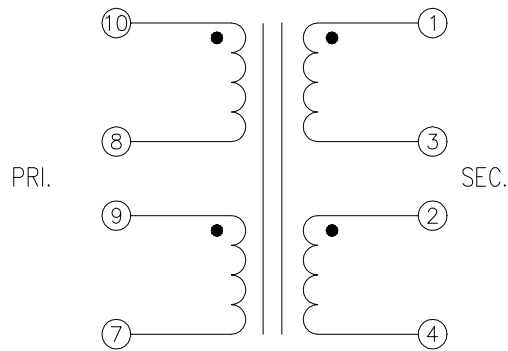
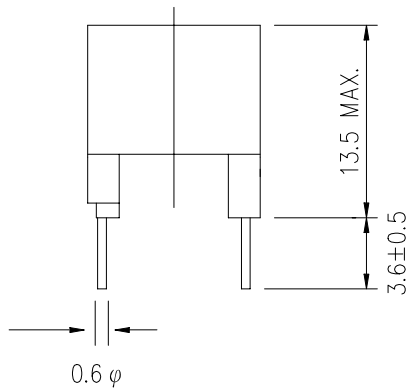
INSERTION LOSS : 0.5 dB MAX. @ 300KHz

T.H.D. : -80 dB MAX. @ 100KHz , 4V ACROSS PRI. 100 OHMS LOAD 196 OHMS INPUT , TIE(8+9,2+3)

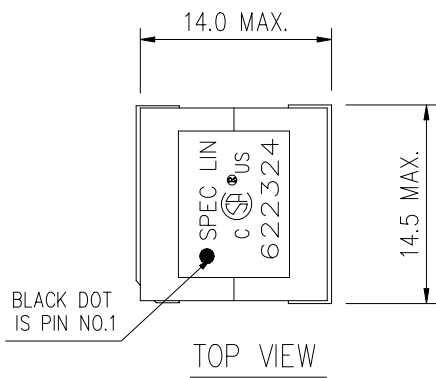
INTERWINDINGS CAPACITANCE : 10-1 = 45 pF MAX. @ 10KHz , 1.0V TIE(8+9,2+3) Cs

HI-POT TEST : 1.50 KVAC MIN. BETWEEN PRI. - SEC. 0.5mA FOR 1 MIN.

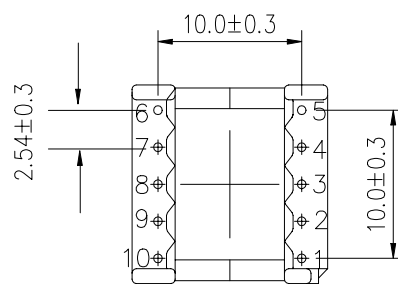
1.875 KVAC MIN. BETWEEN PRI. - SEC. 0.5mA FOR 1 SECOND



SCHEMATIC



TOP VIEW



BOTTOM VIEW

CHECKUP : _____ DESIGN : _____ DRAWER : _____

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AGENCY NO.

UL NO. : E181559

CSA NO. LR107869

ISO 9002: 036809750

DRAWING NO.

622324

UNITS
mm

SHEET
1 OF 1

