

# ISDN Pulse Transformer

( Designed for use in ISDN "U"  
2B1Q interface applications )

SPECIFICATIONS :

ELECTRICAL :

DESIGNED TO REFLECT : 135 OHMS ON PRI. WITH  
40.2 OHMS LOAD ON SEC.

D.C. RESISTANCE : PRI. = 6-8 = 1.5 OHMS MAX. @ 20°C

PRI. = 8-10 = 1.5 OHMS MAX.

SEC. = 2-4 = 2.3 OHMS MAX.

TURN RATIO : (PRI. : SEC.) = 1.8 : 1 ± 1%

D.C. CURRENT : NONE

INDUCTANCE : 2.92 mH ± 10% @ 10KHz, 1Vrms (PIN 6-10)

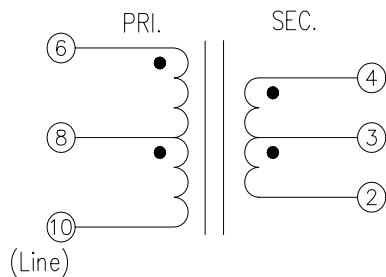
LEAKAGE INDUCTANCE : 28 μH MAX. @ 100KHz, 1Vrms (PIN 6-10), PIN2-3-4 SHORT TOTAL PRI.

INTERWINDING CAPACITANCE : 290 pF MAX. @ 100KHz, 1Vrms (PIN 4-6)

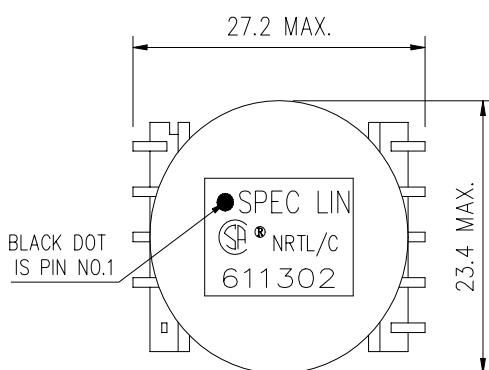
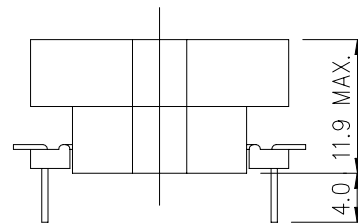
TOTAL HARMONIC DISTORTION : -80 dB TYP. @ 5KHz, 5Vp-p DRIVE SIGNAL AT PRI.

LONGITUDINAL BALANCE : 35 dB MIN. @ 40KHz - 300KHz WITH TERMINAL 2 OR 4 GROUNDED.

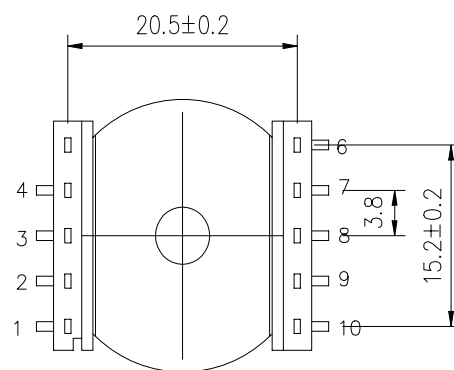
DIELECTRIC TEST : 2.00 KVAC MIN. BETWEEN TERMINALS 4 TO 6 FOR 2 SECONDS



SCHEMATIC



TOP VIEW



BOTTOM VIEW

**SPEC LIN ENTERPRISE CO. LTD.**

2F, No. 6, ALLEY 17, LANE 42, CHUNG HSING N.S.T.  
SAN CHUNG CITY, TAIPEI, TAIWAN  
TEL: 886-2-29991394 FAX: 886-2-22781629

AGENCY NO.

UL NO. : E181559

CSA NO. : LR107869

ISO 9002: 036809750

DRAWING NO.

**611302**

UNITS  
mm

SHEET  
1 OF 1

