

# Low Profile Modem Transformer

SPECIFICATIONS : **56 Kbps**

ELECTRICAL :

IMPEDANCE : PRI. & SEC.= 600 OHMS EACH (REF.)

DESIGNED TO REFLECT : 600 OHMS  $\pm$  3% ON PRI. WITH  
530 OHMS LOAD ON SEC. @ 1KHz, 1Vrms

D.C. RESISTANCE : PRI. = 43 OHMS  $\pm$  10% @ 20°C  
SEC. = 43 OHMS  $\pm$  10%

TURN RATIO : (PRI. : SEC.) = 1 : 1  $\pm$  2%

D.C. CURRENT : NONE

INDUCTANCE : 3 H MIN. @ 200Hz, 1Vrms ON PARALLEL

INSERTION LOSS : 1.0 dB MAX. @ 1KHz, 1Vrms

FREQUENCY RESPONSE :  $\pm$ 0.20 dB @ 200Hz - 4KHz

RETURN LOSS : 25 dB MIN. @ 200Hz - 4KHz

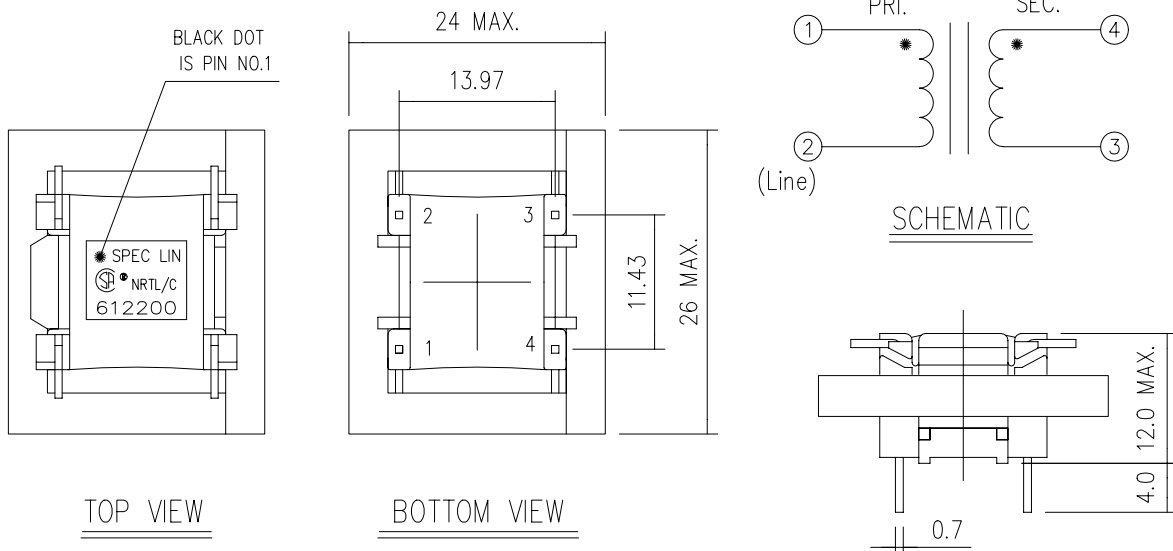
TOTAL HARMONIC DISTORTION : -80 dB MAX. @ 600Hz, -10dBm

TYPICAL DISTORTION FIGURES (T.H.D.)

	100 Hz	150 Hz	200 Hz	250 Hz	300 Hz	600 Hz
-10 dBm	-70.7	-74.0	-75.5	-76.4	-77.4	-81.4

LONGITUDINAL BALANCE : 60 dB MIN. , 200Hz - 1KHz  
40 dB MIN. , 1KHz - 4KHz

HI-POT TEST : 1.25 KVAC MIN. BETWEEN PRI. & SEC. 1mA FOR 2 SECONDS



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AGENCY NO.

UL NO. : E181559

CSA NO. : LR107869

ISO 9002: 036809750

DRAWING NO.

**612200**

UNITS  
mm

SHEET  
1 OF 1

