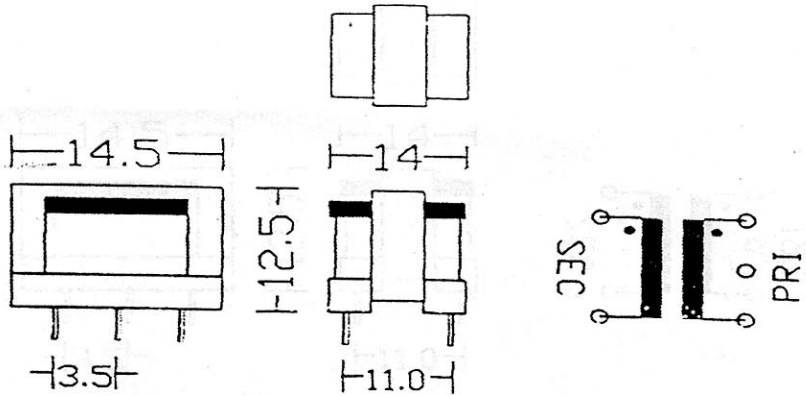


Telephone Line Matching Transformer

AX141A1

Dry Coupling Transformer



- Dimension tolerance $\pm 0.5\text{mm}$
- Pins length 5.0mm, dia 0.8mm typ
- PCB Hole size 1.2mm

Impedance: Reflect $600\ \Omega$ on **Primary** with $600\ \Omega$ Load on **Secondary**

Longitudinal Balance: 200 ~ 1000 Hz: 60dB min

1000 ~ 4000 Hz: 40dB min

DC Resistance: PRI: $32\ \Omega \pm 10\%$

SEC: $32\ \Omega \pm 10\%$

Frequency Response: 200 ~ 4000 Hz $\pm 0.5\text{dB}$

Insertion Loss: 1000 Hz 1.0dB max

Dielectric Strength: 1250 Vrms 1 min @ PRI to SEC

DC Current: None

Induciance: PRI = SEC = 1H min @ 250 Hz

Turns Ratio: PRI : SEC = 1 : 1 $\pm 1\%$

Total Harmonic Distortion (THD): -75dB max @ 600 Hz -10dBm

Return Loss: 26dB min @ 300 ~ 3000 Hz