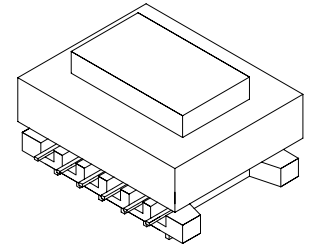


TLA6821-1 is a split winding Line Matching Transformer with the following features:

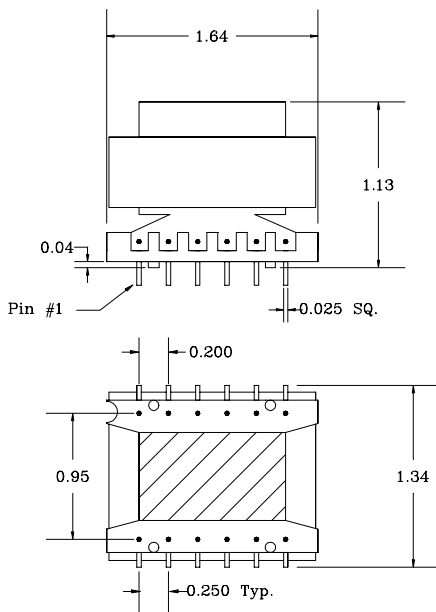
- Good magnetic shielding.
- High Longitudinal Balance.
- DC capability, 100 mA.

Applications:

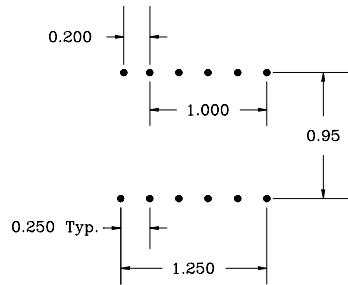
Interfacing subscriber equipment to a 600Ω 2-wire subscriber line, and where DC handling capability is required.



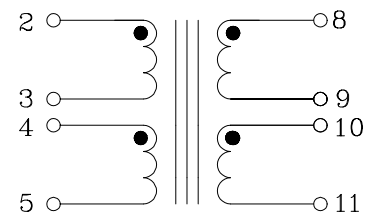
MECHANICAL AND SCHEMATIC (All dimensions in inches)



SUGGESTED PCB PINOUT



SCHEMATIC



ELECTRICAL SPECIFICATIONS @ 25°C

TLA6821-1 has the following performance when terminated with 600Ω, and up to 100 mA DC in either primary or secondary windings.

Part Number	DCR (Ω)		Insertion Loss (dB) @ 1KHz	Frequency Response (dB) 150 Hz-3400 Hz	Return Loss (dB) 300 Hz-3400Hz	Longitudinal Balance (dB) 300 Hz-3400 Hz	Distortion @ 200Hz, 0 dBm	Crosstalk (dB) @ 1.00" spacing	Hipot (Vrms)
	2-3 & 4-5	8-9 & 10-11							
6821-1	17.5 ea	20.8 ea	<0.7	<0.5	>18	>60	<0.5%	75	1500

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