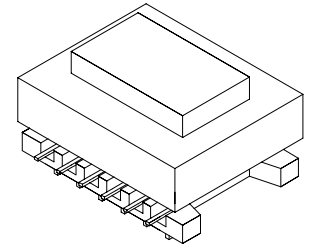


TLA6821 is a split winding Line Matching Transformer with the following features:

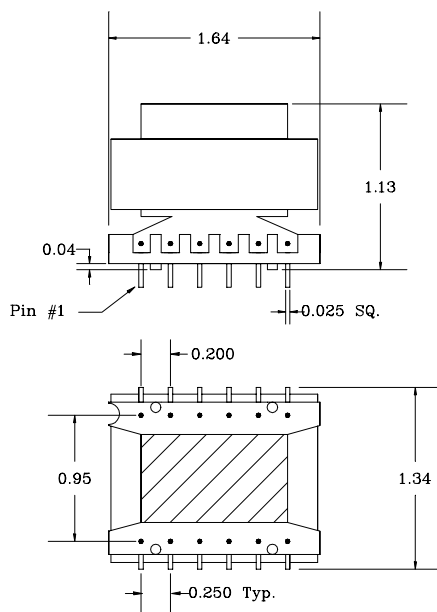
- Good magnetic shielding.
- High Longitudinal Balance.
- DC capability, 70 mA.

Applications:

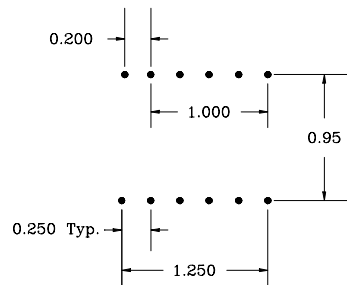
Interfacing subscriber equipment to a 600 Ω 2-wire subscriber line, and where DC handling capability is required.



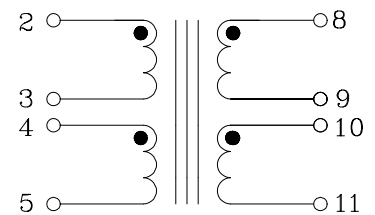
MECHANICAL AND SCHEMATIC (All dimensions in inches)



SUGGESTED PCB PINOUT



SCHEMATIC



ELECTRICAL SPECIFICATIONS @ 25°C

TLA6821 has the following performance when terminated with 600 Ω , and up to 70 mA DC in either primary or secondary windings.

Part Number	DCR (Ω)		Insertion Loss (dB)	Frequency Response (dB)	Return Loss (dB)	Longitudinal Balance (dB)	Distortion	Crosstalk (dB)	Hipot (Vrms)
	2-3 & 4-5	8-9 & 10-11	@ 1KHz	200 Hz-3400 Hz	300 Hz-3400Hz	300 Hz-3400 Hz	@ 200Hz, 0 dBm	@ 1.00" spacing	
6821	17.5 ea	20.8 ea	<0.7	<0.5	>17	>60	<0.5%	75	1500

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