

This specification describes a high performance line matching transformer with the following features.

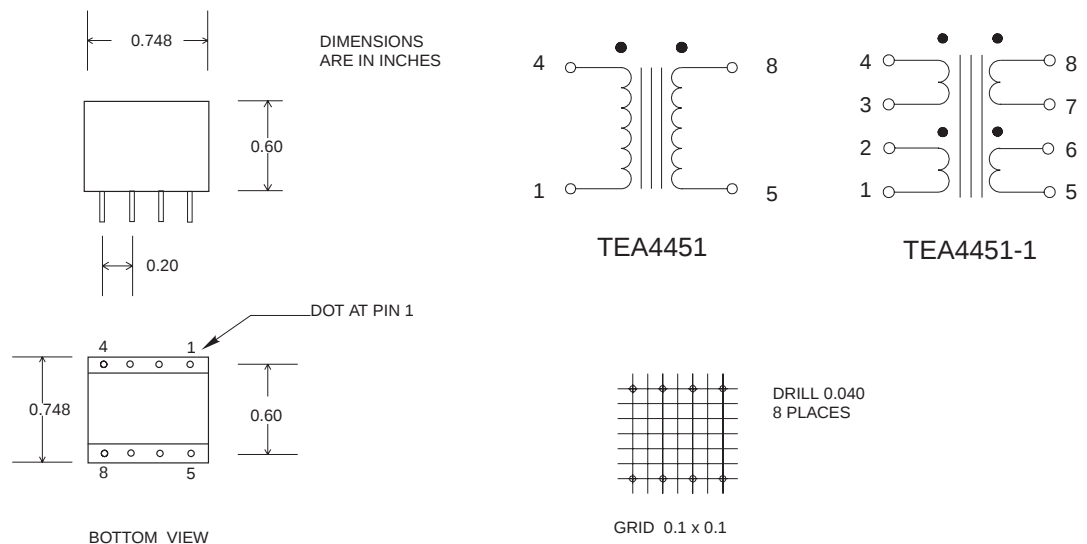
- High dielectric strength.
- Creepage distances and insulation conforming to BS 6301.
- Low insertion loss.
- Low profile.
- Conforms to FCC part 68 and Canadian CS03.

Applications:

Line matching in 600 and 900 ohm circuits where low cross talk, accurate impedance matching and high dielectric withstanding voltages are required.



MECHANICAL



ELECTRICAL

TEA4451

TEA4451-1

TEA4451 and TEA4451-1 transformers have the following performances when equally terminated with 600 Ohms at the input and output terminals.

Frequency response	0.25 dB max.	0.25 dB max	200 to 3500 Hz.
Insertion loss	0.50 dB max	0.50 dB max	@ 1000 Hz.
Return loss	17.0 dB min	17.0 dB min	200 to 3500 Hz.
Resistance	25.0 Ω nom.	12.5 Ω nom.	each winding.
Dielectric strength	2500 Vrms	2500 Vrms	Pri to Sec. and windings to core.
Longitudinal balance	65 dB min	65 dB min	200 to 3500 Hz
Cross talk	110 dB min.	110 dB min	@ 0.1" distance