

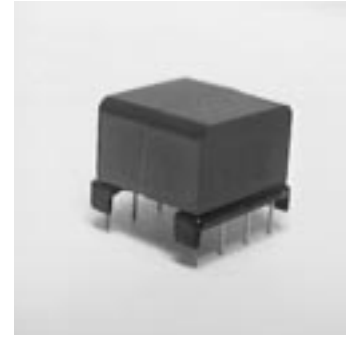
TEA4214 is a wide band matching transformer operating in two impedance configurations and with the following features.

- Very wide band.
- Low insertion loss.
- Low bridging loss.

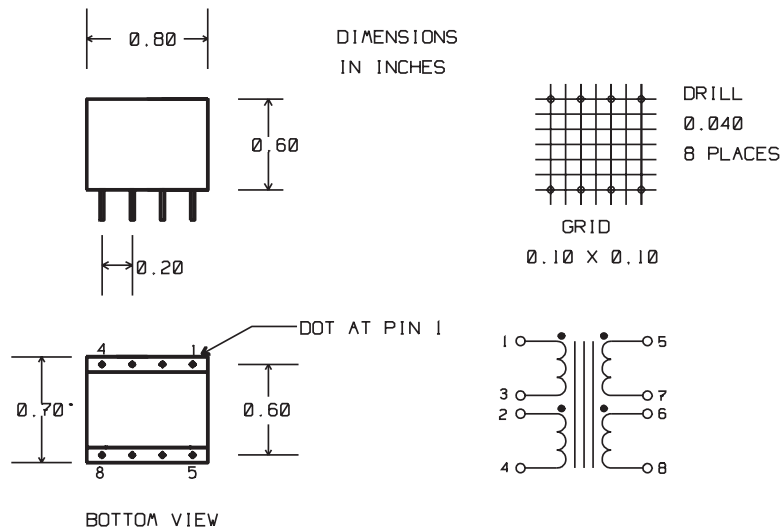
**Applications:**

TEA4214 is mainly used as Line Matching and Bridging Transformer.

Windings connected in parallel for lower impedances ( 100 to 150  $\Omega$ ) and connected in series for higher impedances ( 600 to 900  $\Omega$ ).



## MECHANICAL



## ELECTRICAL

**- Frequency Response**

Windings connected in series (600 $\Omega$ )	$\pm 1.0$ dB max	50 Hz - 200 KHz
Windings connected parallel (150 $\Omega$ )	$\pm 0.5$ dB max	100 Hz - 500 KHz

**- Insertion Loss** 1 dB max @ 1000 Hz

**- Wind Resistance** 30  $\Omega$  nom each winding

**- Dielectric Strength** 1000 V rms

**- Cross-Talk** 110 dB min @ 0.1 in. distance between two units

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