

# Abstracts

## Wide-Band Rectangular to Circular Waveguide Mode and Impedance Transformer (Correspondence)

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*S. Stuchly and A. Kraszewski. "Wide-Band Rectangular to Circular Waveguide Mode and Impedance Transformer (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.3 (May 1965 [T-MTT]): 379-380.*

Transformers connecting rectangular waveguides to circular waveguides are widely used in transmission systems, aerial components, ferrite devices, and measuring instruments. Conventional transitions such as linear tapers or metal and dielectric transformers provide satisfactory matching within a frequency band of a maximum of 10 or 15 per cent only.

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