

Abstracts

A Wide-Band Rectangular-to-Circular Mode Transducer for Millimeter Waves (Correspondence)

P.H. Wolfert. "A Wide-Band Rectangular-to-Circular Mode Transducer for Millimeter Waves (Correspondence)." 1963 Transactions on Microwave Theory and Techniques 11.5 (Sep. 1963 [T-MTT]): 430-431.

Mode transducers are used in microwave transmission systems to transform a certain mode of one waveguide into a predetermined mode of another waveguide. Of particular importance is the transformation from the rectangular TE/sub 10/ mode to the circular TE/sub 01/ mode because the circular mode has a low transmission loss and is frequently used where long waveguide runs are necessary.

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