Abstracts

A Novel Technique for Making Precision Waveguide Twists (Correspondence)

E.M.T. Jones and R.C. Honey. "A Novel Technique for Making Precision Waveguide Twists (Correspondence)." 1956 Transactions on Microwave Theory and Techniques 4.2 (Apr. 1956 [T-MTT]): 131-132.

In a recent issue of the lRE TRANSACATIONS ON MICROWAVE THEORY AND TECHNIQUES, Wheeler and Schwiebert described step-twist waveguide components having good performance over a full waveguide band. These step-twist components are composed of a few short sections of straight rectangular waveguide, twisted about their common axis at their junction faces. Typically the length of each short section of the step-twist is the order of 1/8 to 1/4 of a guide wavelength, while the twist angle between sections may be as much as 30 degrees.

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