

# Abstracts

## Cross-Coupled Coaxial-Line/Rectangular-Waveguide Junction (Short Papers)

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A.G. Williamson. "Cross-Coupled Coaxial-Line/Rectangular-Waveguide Junction (Short Papers)." 1985 *Transactions on Microwave Theory and Techniques* 33.3 (Mar. 1985 [T-MTT]): 277-280.

The analysis of a cross-coupled coaxial-line/rectangular-waveguide junction having dissimilar coaxial lines is presented. An equivalent circuit is deduced for the case where the TE<sub>10</sub> mode is the only propagating waveguide mode. Experimental/theoretical comparisons are also reported which show the analysis to be very accurate.

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