

Abstracts

Modeling Generalized Coaxial Probes in Rectangular Waveguides

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An new approach combining the orthogonal expansion method for modeling cylindrical posts in rectangular waveguides and the extension of the three short plane measurement technique is used to obtain the S-matrix for a general coaxial probe in a rectangular waveguide. The computed results are in excellent agreement with the measured results showing the usefulness of this method.

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