

Abstracts

Full-Band Matching of Waveguide Discontinuities

F.C. DeRonde. "Full-Band Matching of Waveguide Discontinuities." 1966 G-MTT International Microwave Symposium Digest 66.1 (1966 [MWSYM]): 208-209.

Almost all waveguide components consist of transitions, either continuous or discontinuous, because they are either of modified structure or filled with some material. Such transitions vary from simple types, such as transitions from one waveguide to another (like a flange coupling, E- or H-plane shift, E- or H-plane bend, twist, window, or in-guide detector), to more complicated types, where a change in mode also occurs, as in transitions from rectangular to circular or square waveguide, coaxial or strip line, etc. Another example of this latter more complicated type is the Magic Tee.

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