

Modeling of Generalized Double Ridge Waveguide T-Junctions

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Eigen modes in double ridge waveguide are obtained using mode-matching technique, and the scattering parameters of generalized E-plane double ridge T-junctions are computed using cascading procedure and improved three plane mode matching method. The accuracy and versatility of the method are verified through several numerical examples. The computed results are in good agreement with the measured results and that by other approach.

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