

Abstracts

Impedance, Attenuation and Power-Handling Characteristics of Double L-Septa Waveguides (Short Papers)

P.K. Saha and D. Guha. "Impedance, Attenuation and Power-Handling Characteristics of Double L-Septa Waveguides (Short Papers)." 1993 Transactions on Microwave Theory and Techniques 41.5 (May 1993 [T-MTT]): 881-884.

Rectangular waveguides with two L-shaped septa attached to the broad walls in antipodal configuration have been shown theoretically to be an improved variant of the Double T-Septa Guide having larger cut off wavelength and broader bandwidth of the dominant TE mode. Numerical data on the attenuation, impedance and power handling capability of this new type of broadband guides are now presented here as additional design information.

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