

Bandwidth and dispersion characteristics of a new rectangular waveguide with two L-shaped septa

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A new rectangular waveguide with two L-shaped septa has been added to the family of septa-loaded broad-band waveguides. Its modal characteristics and dispersion in the inhomogeneously loaded version have been theoretically determined. The cutoff frequency and the bandwidth of the lowest TE mode are also compared with the experimentally measured values obtained with a test cavity.

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