

Characteristics of Inhomogeneously Filled Double L-Septa Waveguides

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Three types of inhomogeneous Double L-Septa Guides produced by selective dielectric loading of the different regions have been analyzed. The cut-off and bandwidth characteristics of these configurations are compared with inhomogeneous T-septa guide and homogeneous DLSG. From the study an optimum configuration with very large bandwidth emerges as a potential structure for practical implementation.

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