

Abstracts

Dielectric Resonator in a Waveguide Below Cutoff

J. Van Bladel. "Dielectric Resonator in a Waveguide Below Cutoff." 1981 Transactions on Microwave Theory and Techniques 29.4 (Apr. 1981 [T-MTT]): 314-322.

A structure is considered consisting of a waveguide 2 below cutoff, connected to waveguides above cutoff, 1 and 3, by means of suitable junctions. A dielectric resonator is introduced in waveguide 2. Its effect on the transmission curve of the structure is evaluated in the limit $\epsilon_r \rightarrow \infty$. Theoretical results are compared with experiment.

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