

Abstracts

Analysis and Design of Evanescent-Mode Waveguide Dielectric Resonator Filters

Y.C. Shih and K.G. Gray. "Analysis and Design of Evanescent-Mode Waveguide Dielectric Resonator Filters." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 238-239.

The analysis and design of an evanescent-mode waveguide dielectric resonator filter are presented. The filter, consisting of low permittivity dielectric resonators placed in waveguide below cutoff, can be designed up to about 20% bandwidth. Measurements performed in K band are in good agreement with the theory.

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