Abstracts

Characteristics of Waveguide Resonant-Iris Filters (Correspondence)

T.-S. Chen. "Characteristics of Waveguide Resonant-Iris Filters (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.4 (Apr. 1967 [T-MTT]): 260-262.

This correspondence describes the theory and performance of a new waveguide filter that has both very wide passband and stopbands suitable for use with modern microwave generators. The filter is composed of resonant irises placed across a waveguide at quarter-wave intervals. The irises are proportioned to have the same resonant frequency but different Q-factors graded according to the maximally flat principle.

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