

Abstracts

Nonminimum-Phase Optimum-Amplitude Bandpass Waveguide Filters

A.E. Atia and A.E. Williams. "Nonminimum-Phase Optimum-Amplitude Bandpass Waveguide Filters." 1974 Transactions on Microwave Theory and Techniques 22.4 (Apr. 1974 [T-MTT]): 425-431.

The synthesis of narrow-bandpass waveguide filters having flat group delay and optimum-amplitude characteristics is described. The design utilizes either single- or dual-mode waveguide cavities. Experimental results for a 40-MHz-bandwidth filter centered at 4 GHz show excellent agreement with theory.

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