

Abstracts

Computer-Aided Design of a Waveguide Multiplexer

A.E. Atia. "Computer-Aided Design of a Waveguide Multiplexer." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 53-55.

A procedure based on an analysis algorithm and interactive program is described for the design of waveguide multiplexers. Simple rules, which enable the designer to quickly find a near-optimum design in a small number of iteration steps, are given. An example of a 6-channel communications multiplexer, which utilizes narrow-bandpass elliptic function waveguide filters, is also included.

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