

Abstracts

Alternative designs for dual-mode filters

D.R. Jachowski. "Alternative designs for dual-mode filters." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 1087-1090.

Alternatives to conventional dual-mode filter designs are revealed by introducing an independent variable into a filter's coupling matrix through a sequence of plane rotation similarity transformations. A graphical means of evaluating the resulting alternatives is described. The procedure is demonstrated with the design of an improved six-resonance longitudinal dual-mode dielectric resonator filter without irises.

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