

Abstracts

Direct Design Formulas for Asymmetric Bandpass Channel Diplexers

J.L. Haine and J.D. Rhodes. "Direct Design Formulas for Asymmetric Bandpass Channel Diplexers." 1977 Transactions on Microwave Theory and Techniques 25.10 (Oct. 1977 [T-MTT]): 807-813.

This paper gives direct design formulas for asymmetric bandpass channel diplexers, which allow rapid design of diplexers using narrow-band direct-coupled resonator filters. Computed results for a prototype diplexer are given, and results are presented for a 5.8-GHz asymmetric waveguide diplexer, which demonstrate the high performance possible using this design technique.

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