

Abstracts

General Four-Resonator Filters at Microwave Frequencies (Correspondence)

R.M. Kurzrok. "General Four-Resonator Filters at Microwave Frequencies (Correspondence)." 1966 Transactions on Microwave Theory and Techniques 14.6 (Jun. 1966 [T-MTT]): 295-296.

General four-resonator filters are capable of providing both band-pass and band-reject behavior. The potential advantages of general three and four-resonator filters have been discussed by Johnson, who considers dissipationless filters using inductive couplings. Johnson has presented experimental data on a lumped-circuit-element general filter at 20 Mc/s, and has suggested some techniques for microwave implementation of general filters. Kurzrok has analyzed dissipative general three-resonator filters, and applied this theory to the development of a general three-resonator filter in X-band rectangular waveguide.

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