

Abstracts

Noise Design of Active Feedback Resonator BEF (1993 Vol. I [MWSYM])

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Active feedback resonator (AFR) filters are available to use design techniques for conventional passive microwave filters by introducing noise temperature of resonator. The noise figure (NF) of AFR filters can be analytically designed by utilizing noise temperature. In this paper, a three-pole AFR band elimination filter (BEF) is designed to evaluate NF value. The observed results agree well with the theoretical values.

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