

Abstracts

Improvement of spurious performance of combine filters

Hui-Wen Yao, K.A. Zaki, A.E. Atia and T. Dolan. "Improvement of spurious performance of combine filters." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 1099-1102.

Methods to improve the spurious performance of combine filters are investigated. The first spurious passband of a conventional combine filter with uniform rods can be pushed to a higher frequency by using stepped rod resonators or suppressed by a careful design of the coupling slots without a noticeable sacrifice of filter insertion loss. Experiments verify the theory.

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