

Abstracts

A Compact Channel-Dropping Filter for Stripline and Microwave Integrated Circuits

E.G. Cristal and U.H. Gysel. "A Compact Channel-Dropping Filter for Stripline and Microwave Integrated Circuits." 1974 Transactions on Microwave Theory and Techniques 22.5 (May 1974 [T-MTT]): 499-504.

A compact channel-dropping filter geometry is described that is particularly suited for stripline and microwave integrated circuits (MIC). The channel-dropping filter is comprised of a hairpin bandpass filter and a new bandstop filter, referred to herein as a folded-line bandstop filter. Design parameters for the latter filter for a range of bandwidths are tabulated. Analytical and experimental data for a trial channel-dropping filter are presented and discussed.

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