Abstracts

Experimental Wide-Stopband Filters Utilizing Asymmetric Ferrite Junctions (Short Papers)

H. How, Y. Liu, S. Zhang, C. Vittoria, C. Carosella and V. Folen. "Experimental Wide-Stopband Filters Utilizing Asymmetric Ferrite Junctions (Short Papers)." 1992 Transactions on Microwave Theory and Techniques 40.1 (Jan. 1992 [T-MTT]): 161-164.

Filters incorporating asymmetric stripline Y-junction circulators have been fabricated and tested over the frequency range of 0.05 to 18 GHz. The passband frequency was near 2 GHz. The insertion loss was ~2 dB and the stopband extended from 4.5 to 18 GHz with transmission <or= -30 dB. The filter includes ferrite discs in which high order modes have been eliminated as calculated in an earlier paper.

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