

Abstracts

Insertion Loss Versus Normalized Frequency Curves for Mumford's Maximally Flat Filter (Correspondence)

H.J. Hindin. "Insertion Loss Versus Normalized Frequency Curves for Mumford's Maximally Flat Filter (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 16.5 (May 1968 [T-MTT]): 316-318.

Mumford has published design tables for a class of maximally flat symmetric bandpass filters, composed of shorted quarter-wave stubs separated by quarter-wave lines. Schiffman has presented curves enabling the calculation of 3-dB bandwidth and insertion loss for the high-loss case. Because of the continued interest in these filters and their common use, we present complete insertion loss versus normalized frequency curves here for three to ten resonators, for all the cases considered by Mumford.

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