

Abstracts

Unity Transmission Band Splitting and Recombination Filter Networks

R.J. Wenzel. "Unity Transmission Band Splitting and Recombination Filter Networks." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 163-165.

A class of filters is described that allows a given frequency band to be divided into two or more partial bands, and subsequently recombined in an identical filter network to yield a complete network with a unity transmission coefficient. Practical realization problems are discussed and experimental results are given. Possible circuit configurations for achieving filters with bandwidths of 20:1 and 100:1 are presented.

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