

Abstracts

Interdigital, Band-Pass Filters

G.L. Matthaei. "Interdigital, Band-Pass Filters." 1962 PGMTT National Symposium Program and Digest 62.1 (1962 [MWSYM]): 41-45.

The filters discussed in this paper consist of arrays of TEM-mode transmission line resonators between parallel ground planes. Each resonator line is a quarter-wavelength long at mid-band and is short-circuited at one end and open-circuited at the other--the resonator elements being arranged in a parallel array with the positions of the short-circuited ends alternating. Figure 1 shows a strip-line interdigital filter with its upper ground plane removed.

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