

Abstracts

Narrow-band, band-pass filters with zig-zag, hairpin-comb resonators

G.L. Matthaei. "Narrow-band, band-pass filters with zig-zag, hairpin-comb resonators." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 1931-1934 vol.3.

"Hairpin-comb" filters have been previously shown to have special properties which are advantageous for the design of compact, narrow-band, band-pass microstrip filters. Herein, a new "zig-zag" form of hairpin-comb filter is introduced which is shown to have additional important advantages for designing compact narrow-band filters. Examples with computed and measured results are presented.

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