

Abstracts

Thin Film Lumped Constant Microwave Integrated Filter Structures

G.D. Alley, L.F. Rago and J. Schill. "Thin Film Lumped Constant Microwave Integrated Filter Structures." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 2-6.

Lumped constant circuits containing thin film inductors and interdigital capacitors have been evaluated thru S band. The measured results are in good agreement with computer predictions. A lumped L band 3 dB directional coupler with 0.4 dB insertion loss and an 18% bandwidth, a lumped 9 section S band low pass filter with less than 1 dB insertion loss and a pseudo lumped 5 section 2.3% bandwidth bandpass filter are discussed.

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