

Abstracts

18-30 GHz Broadband Bandpass Harmonic Reject Filter

T.N. Ton, Y.C. Shih and L.Q. Bui. "18-30 GHz Broadband Bandpass Harmonic Reject Filter." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 387-389.

An 18-30 GHz harmonic reject filter has been designed using a distributed prototype. The aspect ratio of the coupled suspended stripline structure is chosen to equalize the even- odd-mode electrical lengths when considering the open-end effects. The measured insertion loss is about 1 dB in the passband and more than 40 dB rejection up to twice the center frequency.

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