

Abstracts

Computer Aided Design of Evanescent Mode Waveguide Bandpass Filter with Non-Touching E-Plane Fins

K.S. Kong and T. Itoh. "Computer Aided Design of Evanescent Mode Waveguide Bandpass Filter with Non-Touching E-Plane Fins." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1159-1162.

This paper presents an efficient computer aided design procedure for the evanescent mode waveguide bandpass filter with non-touching E-plane fins. The design procedure systematically utilizes a look-up table containing the scattering parameters of E-plane fins. In addition, this design procedure incorporates the correlations between each filter parameter and each characteristic of the filter into its algorithm.

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