

Equivalent Reactance of a Shorting Septum in a Fin-Line: Theory and Experiment

J.B. Knorr. "Equivalent Reactance of a Shorting Septum in a Fin-Line: Theory and Experiment." 1981 Transactions on Microwave Theory and Techniques 29.11 (Nov. 1981 [T-MTT]): 1196-1202.

This paper presents the results of theoretical and experimental investigations of the equivalent reactance of a shorting septum in a fin-line. Numerical and experimental data showing septum reactance for several different fin-lines are presented and compared. Some design curves are included for millimeter-wave fin-lines with this type of discontinuity.

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