Abstracts

Empirical Expressions for Fin-Line Design

A.K. Sharma and W.J.R. Hoefer. "Empirical Expressions for Fin-Line Design." 1983 Transactions on Microwave Theory and Techniques 31.4 (Apr. 1983 [T-MTT]): 350-356.

This paper presents empirical expressions in closed form for the design of unilateral and bilateral fin-lines. The guided wavelength and the characteristic impedance calculated with these expressions agree, typically, within ± 2 percent with values obtained using numerical techniques in the normalized frequency range 0.35 <= b/ lambda <= 0.7, which is suitable for most practical applications.

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