

# Abstracts

## Empirical Analytical Expressions for Fin Line Design

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*A.K. Sharma and W.J.R. Hoefer. "Empirical Analytical Expressions for Fin Line Design." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 102-104.*

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 are accurate within typically  $\pm 2$  percent of the values obtained using the spectral domain technique in the normalized frequency range:  $0.35 \leq b/\lambda \leq 0.70$ .

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