Abstracts

Exact Analysis of Shielded Microstrip Lines and Bilateral Finlines (1980 [MWSYM])

An exact analysis is presented for shielded microstrip and bilateral finlines. The method is based on a function theoretic approach to solve a set of functional equations in the Fourier transform domain, representing the independent excitation of LSM and LSE modes in the system without strip or fin conductors. The solution is obtained in the form of highly convergent system of algebraic equations, which allow accurate calculation of fields and electrical parameters of these lines at any given frequency.

❑ Return to main document.