

Dispersion characteristics of multilayered slotlines-a simple approach

J. Svacina. "Dispersion characteristics of multilayered slotlines-a simple approach." 1999 Transactions on Microwave Theory and Techniques 47.9 (Sep. 1999, Part II [T-MTT] (Special Issue on Multilayer Microwave Circuits)): 1826-1829.

This paper presents a new analytical model of two forms of multilayered slotline: a double-layer sandwich form and a slotline on a double-layer composite substrate. The conformal mapping method combined with some semiempirical approaches is used to obtain closed-form expressions for effective permittivity, characteristic impedance, and signal wavelength in these structures. In this paper, quasi-static results are compared with available data of other authors.

 [Return to main document.](#)