

Abstracts

Double-Layered Slot Line for Millimeter-Wave Integrated Circuits

N. Samardzija and T. Itoh. "Double-Layered Slot Line for Millimeter-Wave Integrated Circuits." 1976 Transactions on Microwave Theory and Techniques 24.11 (Nov. 1976 [T-MTT] (Special Issue on Millimeter Waves: Circuits, Components, and Systems)): 827-831.

A new type of waveguide, a double-layered slot line, is described which is useful for millimeter-wave integrated circuits (IC's). Galerkin's method applied in the Fourier transform domain is used for analyzing the propagation characteristics of the dominant mode in the structure. Theoretical and experimental results are presented and compared.

 [Return to main document.](#)