Abstracts

The Effect of Air Bridge Height on the Propagation Characteristics of Microstrip

M.E. Goldfarb and V.K. Tripathi. "The Effect of Air Bridge Height on the Propagation Characteristics of Microstrip." 1991 Microwave and Guided Wave Letters 1.10 (Oct. 1991 [MGWL]): 273-274.

The air bridge is often used for lowering the effective capacitance per unit length as well as fabricating crossovers in monolithic microwave integrated circuits (MMIC's). The static and dynamic propagation characteristics of this type of transmission line are computed by utilizing the spectral domain technique. The cases of air bridged lines on 100-µm GaAs substrate and spiral inductors are examined.

❑ Return to main document.