Abstracts

Low Crosstalk Characteristics of Buried Microstrip Lines

T. Ishikawa and E. Yamashita. "Low Crosstalk Characteristics of Buried Microstrip Lines." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 853-856.

This paper describes the extremely low crosstalk characteristics of a guided wave structure, Buried Microstrip Line. The analyses with the use of rectangular boundary division method and FDTD method have revealed that the line structure possesses much lower coupling coefficients than traditional microstrip lines, from -15 dB to -100 dB depending on their burial depth. This line structure is believed to be quite useful for realizing highly integrated microwave and millimeter-wave circuits.

❑ Return to main document.