

Abstracts

Practical Design of C-Band, MIC, PIN Phase Shifters

K. Hirai and S. Kamihashi. "Practical Design of C-Band, MIC, PIN Phase Shifters." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 229-231.

Characteristics of branch-line-hybrid coupled phase shift circuits were clarified using S-parameters, and 4-bit circuit simulation taking transmission-line losses into consideration was performed for the circuit optimization. Then the results were applied to C-band, MIC phase shifters. The simulation program was also utilized to estimate the effects of circuit parameter variations.

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