Abstracts

Wideband monolithic millimeter-wave phase shifter with minimum insertion loss variation

S. Nam, C.W. Park, F.M. Ghannouchi, E. Allamando and I.D. Robertson. "Wideband monolithic millimeter-wave phase shifter with minimum insertion loss variation." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1577-1580.

A novel MM-wave monolithic phase shifter is described which achieves wide bandwidth and minimum insertion loss variation. The circuit employs a dual-varactor reflection termination which behaves like a tunable L-C resonator. The circuit operates at 50 GHz center frequency with 100 degrees of control range and /spl plusmn/0.4 dB maximum amplitude variation.

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