

Abstracts

A broad-band differential phase shifter of novel design

W.J. Brown and J.P. Starski. "A broad-band differential phase shifter of novel design." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1319-1322 vol.3.

A broad-band, multisection, differential phase shifter with excellent phase ripple has been designed. The phase shifter exhibits no more than a one degree error from nominal over more than a 90% bandwidth. The novel parallel connection of the coupled lines makes it feasible to realize the circuit using edge coupling.

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