

Abstracts

A Novel Design for a MMIC 180 Degree Phase Shifter (1992 [MCS])

M.E. Goldfarb. "A Novel Design for a MMIC 180 Degree Phase Shifter (1992 [MCS])." 1992 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 92.1 (1992 [MCS]): 141-143.

A novel circuit topology is discussed for the design of a 180 degree phase shifter. The approach exploits the dual nature of the tee and pi conjurations of the lowpass and highpass filter topologies. The resulting configuration requires fewer elements than conventional switched filter approaches and does not require complementary control voltages.

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