

Abstracts

30 GHz Multi-Bit Monolithic Phase Shifters

P. Bauhahn, C. Butter, V. Sokolov and A. Contolatis. "30 GHz Multi-Bit Monolithic Phase Shifters." 1985 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 85.1 (1985 [MCS]): 4-7.

The design and performance of GaAs monolithic 3-bit and 4/5 bit switched line phase shifters for Ka-band operation are discussed. Both conventional recessed and self-aligned gate (SAG) switching FET designs are presented. The insertionloss was as low as 2dB per bit for the recessed gate and 2.9 dB per bit with the SAG gate devices for the particular doping levels used.

[Return to main document.](#)