

# Abstracts

## A Novel MMIC X-Band Phase Shifter

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*K. Wilson, J.M.C. Nicholas, G. McDermott and J.W. Burns. "A Novel MMIC X-Band Phase Shifter." 1985 Transactions on Microwave Theory and Techniques 33.12 (Dec. 1985 [T-MTT] (1985 Symposium Issue)): 1572-1572.*

A novel configuration for monolithic phase shifters is presented. The layout and fabrication of a single chip, four-bit X-band phase shifter, measuring 3.7 x 2.3 mm, is described in some detail. The first samples to be assessed exhibited full 360° coverage at the design frequency, operation throughout X-band, good matches, and an insertion loss less than 5 dB.

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