

# Abstracts

## A Compact Broadband, Six-Bit MMIC Phasor with Integrated Digital Drivers (1990 [MCS])

---

*C. Moye, G. Sakamoto and M. Brand. "A Compact Broadband, Six-Bit MMIC Phasor with Integrated Digital Drivers (1990 [MCS])." 1990 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 90.1 (1990 [MCS]): 123-126.*

Digital and microwave technologies have been successfully combined on a single chip to realize a broadband, 6-bit MMIC phase shifter. It exhibits low insertion loss, good VSWR, and exceptional phase performance with less than 3 degrees RMS phase error for all sixty-four phase states over the entire 7.2-10.2 GHz band. Compared to previous designs, the number of required control lines has been reduced by a factor of two due to the integration of the digital driver circuitry.

 [Return to main document.](#)