

# Abstracts

## 60 GHz Integrated Circuit Quadriphase Exciter and Modulator

---

*A. Grote and K. Chang. "60 GHz Integrated Circuit Quadriphase Exciter and Modulator." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 445-447.*

An integrated circuit quadriphase shift keying (QPSK) exciter and modulator have demonstrated excellent performance directly modulating a carrier frequency of 60 GHz with an output phase error of less than 3 degrees and maximum amplitude error of 0.5 dB. The unit was packaged into a volume of 1.8x2.5x0.35 in. Multigigabit data streams are possible.

 [Return to main document.](#)