

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.

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