

Abstracts

A Broad Band GaAs Microstrip Modulator at 16 GHz for CO/sub 2/ Laser Radiation

M. Gilden and P.K. Cheo. "A Broad Band GaAs Microstrip Modulator at 16 GHz for CO/sub 2/ Laser Radiation." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 18-20.

A 16 GHz microstrip modulator, fabricated on a thin slab of GaAs 25 microns thick, has been developed for CO/sub 2/ laser radiation. An instantaneous bandwidth of 1 GHz and a single optical sideband efficiency of 0.7 percent has been obtained with 20 watts of microwave driving power.

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