

Abstracts

Full-waveguide band, 90 to 140 GHz, MMIC amplifier module

S. Weinreb, P.C. Chao and W. Copp. "Full-waveguide band, 90 to 140 GHz, MMIC amplifier module." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1279-1280.

A six-stage, indium phosphide, monolithic integrated circuit amplifier has been fabricated and tested in a WR-8 waveguide mount. The amplifier has a gain of 15+/-3 dB in the frequency range of 90 to 140 GHz and a noise figure of 7.0 dB at 110 GHz.

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