

Abstracts

A bi-directional quasi-optical lens amplifier (1997 Vol. II [MWSYM])

S. Hollung, J. Vian and Z.B. Popovic. "A bi-directional quasi-optical lens amplifier (1997 Vol. II [MWSYM])." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 675-678.

A 10-element bi-directional quasi-optical lens amplifier array is presented. The amplifier is designed for X-band, and operates in transmission mode. SPDT switches are used to switch between transmit and receive amplifiers. An ON/OFF ratio of 25 dB is measured for both transmitting and receiving modes with associated amplifier gains of 5 and 10 dB.

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