

Abstracts

CW InP Gunn Diode Power Combining at 90 GHz

J.J. Sowers, J.D. Crowley and F.B. Fank. "CW InP Gunn Diode Power Combining at 90 GHz." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 503-505.

CW power combining of two, three, or four InP Gunn devices has been achieved at 90 GHz. Diodes were first characterized in individual radial line circuit modules. Modules with similar operating characteristics were stacked in-line to form power combining units. Greater than 1/4 watt was obtained from four InP diodes.

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