

Abstracts

High Power Epitaxially-Stacked Varactor Diode Multipliers: Performance and Applications at W-Band

J.F. Cushman, F. Occhiuti, E.M. McDonagh, M.E. Hines and P.W. Staecker. "High Power Epitaxially-Stacked Varactor Diode Multipliers: Performance and Applications at W-Band." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 923-926.

Single diode varactor multipliers capable of providing 260 mW CW and 850 mW pulsed at 94 GHz are described. These new results have application at W-band for systems where high average power, wideband swept linear response, phase coherent transceivers, and inter- and intra-pulse phase stability are required.

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