

Abstracts

High-Efficiency Broadband Monolithic Pseudomorphic HEMT Amplifiers at Ka-Band

H.Q. Tseng, P. Saunier and Y.-C. Kao. "High-Efficiency Broadband Monolithic Pseudomorphic HEMT Amplifiers at Ka-Band." 1992 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 92.1 (1992 [MCS]): 51-54.

High-efficiency broadband (up to 7 GHz) monolithic Ka-band amplifiers using doped channel power pseudomorphic HEMTs have been demonstrated. Amplifiers with output powers as high as 500 mW and power-added-efficiencies as high as 40% were demonstrated.

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