

Abstracts

A Nine HEMT Spatial Amplifier

N. Sheth, T. Ivanov, A. Balasubramaniyan and A. Mortazawi. "A Nine HEMT Spatial Amplifier." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1239-1242.

A spatial power combining amplifier using HEMTs is designed and fabricated. The amplifier has a maximum gain of 5.5 dB at a frequency of 10.9 GHz with a 3 dB bandwidth of 1 GHz. The circuit is implemented on a double layer microstrip structure for effective input and output isolation.

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