Abstracts

A 3.5W HBT MMIC Power Amplifier Module for Mobile Communications

K. Sakuno, M. Akagi, H. Sato, M. Miyauchi, M. Hasegawa, T. Yoshimasu and S. Hara. "A 3.5W HBT MMIC Power Amplifier Module for Mobile Communications." 1994 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 94.1 (1994 [MCS]): 63-66.

A 900MHz-band GaAs/GaAlAs HBT MMIC power amplifier module has been developed for mobile communications by using a novel assembly technique called BHS and an AIN package as the MMIC chip carrier. The power module gave a peak output power of 3.7W and a power-added efficiency of 54.5% with a +6V single supply voltage.

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