Abstracts

A High Efficiency GaAs MCM Power Amplifier for 1.9GHz Digital Cordless Telephones

S. Makioka, K. Tateoka, M. Yuri, N. Yoshikawa and K. Kanazawa. "A High Efficiency GaAs MCM Power Amplifier for 1.9GHz Digital Cordless Telephones." 1994 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 94.1 (1994 [MCS]): 51-54.

A GaAs MCM power amplifier has been developed for 1.9-GHz digital cordless telephones. Power-added efficiency of 40.2% and P /sub 1dB/ of 22.2dBm have been obtained at drain supply voltage of 3.6V. Adoption of the MCM structure and on-chip ferroelectric capacitors has successfully reduced the GaAs total chip area to be 1.1mm².

❑ Return to main document.