

Abstracts

A Miniaturized GaAs Power Amplifier for 1.5 GHz Digital Cellular Phones

S. Makioka, S. Enomoto, H. Furukawa, K. Tateoka, N. Yoshikawa and K. Kanazawa. "A Miniaturized GaAs Power Amplifier for 1.5 GHz Digital Cellular Phones." 1996 *Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest* 98. (1996 [MCSJ]): 13-16.

An extremely miniaturized GaAs PA has been developed for the application in 1.5-GHz Japanese digital cellular phones. By using MuMIC (i.e. multilayer microwave integrated circuit) technology, the half sized (0.2cc) PA with 1.1W output power has successfully been implemented. The 48%-power-added efficiency has been obtained with drain supply voltage of 3.5-V.

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