

# Abstracts

## Accurate analysis of millimeter-wave MMIC power amplifier using distributed FET model

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*T. Kuwabara, Y. Kosaka, T. Eda, T. Saryo, Y. Akiba and M. Funabashi. "Accurate analysis of millimeter-wave MMIC power amplifier using distributed FET model." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. I [MWSYM]): 161-164 vol. 1.*

This paper reports analysis of the distributed FET model. The distributed FET model was effective in constructing the equivalent circuit of FETs that have large and complex layout. To confirm the advantages of the distributed FET model, a Ka-band power MMIC amplifier was designed. The results of the fabricated MMIC were in good agreement with simulation.

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