

# Abstracts

## A Si Wide-Band MMIC Amplifier Family for L-S Band Consumer Product Applications

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*H. Takeuchi, M. Muraoka, T. Hatakeyama, A. Matsuoka, M. Honjou, S. Miyazaki, K. Tanaka and T. Nakata. "A Si Wide-Band MMIC Amplifier Family for L-S Band Consumer Product Applications." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1283-1284.*

By using a novel Si bipolar process technology, medium power, low noise and low power consumption amplifiers have been successfully realized. For the low power consumption amplifier, as little as 4mA of total supply current is required with 3.4V supply voltage, 2.3GHz 3dB-bandwidth, and 10.8dB gain at 1GHz.

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