

# Abstracts

## 0.5-2.6GHz Si-Monolithic Wideband Amplifier IC (1985 [MCS])

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*T.-a. Nakata, S.-I. Miyazaki and K. Shirotori. "0.5-2.6GHz Si-Monolithic Wideband Amplifier IC (1985 [MCS])." 1985 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 85.1 (1985 [MCS]): 58-62.*

Using Si, an excellent performances, 0.5-2.6GHz bandwidth and 23dB gain, monolithic wideband amplifier IC has been developed, of which input and output impedances are matched to 50 Omega. The f<sub>sub</sub>T=10GHz DNP-II manufacturing process with optimization for microwave analog ICs has been developed for this IC. And a single-ended three stages amplifier circuit with local feedback loops is adopted for this monolithic circuit.

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