

# Abstracts

## GaAs Devices and the MIC Applications in Satellite Broadcasting

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*Y. Konishi. "GaAs Devices and the MIC Applications in Satellite Broadcasting." 1990 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 90.1 (1990 [MCS]): 1-6.*

GaAs devices such as low noise HEMT, low noise FET and wide band UHF amplifiers are used extensively for satellite broadcasting receivers, especially in LNBs (Low Noise Block Down Converters). The Ku-band prescaler for non-adjusting local oscillators, the active band pass filter for miniaturized filters, and the monolithic IC for high volume production have also been developed recently. This paper presents a summary of information on GaAs devices and the MMIC, including the personal opinion of the author on the merits and future availability of MMIC and discrete circuits. The status and popularization of satellite broadcasting reception in Japan is also shown for forecasting purposes.

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