

# Abstracts

## A 9.5 GHz Commercially Available 1/4 GaAs Dynamic Prescaler with Suppressed Noise Performance

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*M. Takahashi, H. Itoh, K. Ueda and R. Yamamoto. "A 9.5 GHz Commercially Available 1/4 GaAs Dynamic Prescaler with Suppressed Noise Performance." 1988 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 88.1 (1988 [MCS]): 31-36.*

A mass-production level 1/4 GaAs monolithic dynamic prescaler operating at a single clock input of 9.5 GHz with a power dissipation of 450 mW has been successfully realized. In addition, the phase noise performances were also investigated to obtain an excellent result and to accomplish the verified level of -100 dBc/Hz and -120 dBc/Hz at 100Hz and 10 KHz offsets for a 6.725 GHz input, which are considered to be low enough for a practical use.

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