

# Abstracts

## 35 GHz and 60 GHz Low Noise HEMT MMIC Amplifiers for Civil Applications (Late Paper)

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*P. Bourne, P. Arsene-Henry, P. Fellon and D. Pons. "35 GHz and 60 GHz Low Noise HEMT MMIC Amplifiers for Civil Applications (Late Paper)." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1613-1616.*

Monolithic HEMT low noise amplifiers have been developed for civil applications at Q and V bands. They consist of two stage amplifiers with 0.25 $\mu$ m HEMTs. At 35 GHz and 60 GHz, they exhibit respectively more than 15 dB gain with 4 dB noise, and 12.5 dB gain with a noise figure between 5 and 6 dB over a 10 percent frequency range.

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