

# Abstracts

## Miniaturized Nondegenerate K/sub a-Band Paramp for Earth to Satellite Communications

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*M.A. Balfour, A. Larsen, S. Nussbaum and J. Whelehan. "Miniaturized Nondegenerate K/sub a-Band Paramp for Earth to Satellite Communications." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 225-227.*

State-of-the-art millimeter wave paramp designs have been reduced to practice resulting in a miniaturized low-noise, all solid-state, K/sub a-band amplifier designed to meet stringent electrical and mechanical specifications. An amplifier gain of 18 dB and a noise figure of 3.8 dB were achieved. This amplifier has application to future generation communications systems, and because of its small size and weight, to upgrading existing systems.

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