

Abstracts

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

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.

 [Return to main document.](#)