

Low-Noise and Linear FET Amplifiers for Satellite Communications

D.A. Cowan, P. Mercer and A.B. Bell. "Low-Noise and Linear FET Amplifiers for Satellite Communications." 1977 Transactions on Microwave Theory and Techniques 25.12 (Dec. 1977 [T-MTT] (1977 Symposium Issue)): 995-1000.

FET amplifiers with ambient noise figures as low as 4.8 dB at 12 GHz, 35-dB gain, and intercept points as high as +28 dBm have been developed for use in communications satellites. Predicted mean time to failure is in excess of 10^6 h.

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