

Abstracts

A Low Noise Solid State Amplifier for Replacement of a Ka-Band TWTA

P.H. Wolfert, J.D. Crowley and F.B. Fank. "A Low Noise Solid State Amplifier for Replacement of a Ka-Band TWTA." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 441-443.

A low noise solid state amplifier for replacement of a Ka-band TWTA is described. Eight stages of amplification, which utilize cathode notch InP Gunn diodes, provide a gain of 37 ± 3 dB with an associated N. F. ranging from 13.3 to 16.3 dB in the 27-39.5 GHz band.

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