

Abstracts

EHF Solid State Amplifier

G.H. Nesbit and W.H. Leighton. "EHF Solid State Amplifier." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 391-394.

Two 5 watts Q-band solid state amplifiers have been developed. These amplifiers have a minimum of 24 dB gain over a 2 GHz bandwidth. The amplifier can operate from -20°C to +65°C utilizing an electronic temperature stabilization circuit. The experimental test results and the integration of the amplifiers will be presented in this paper.

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