

Abstracts

A C-Band All Ferrite Integrated Wideband High Power GaAs Avalanche Diode Amplifier

W.C. Tsai and C.W. Lee. "A C-Band All Ferrite Integrated Wideband High Power GaAs Avalanche Diode Amplifier." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 179-181.

A C-band 4-stage, 20 dB gain, 3-watt 25% bandwidth all ferrite substrate integrated GaAs avalanche diode amplifier is developed. The design procedure, as well as the amplifier performance including amplifier phase characteristics, is described. A power combining circuit which increases the output power capability by a factor of two is included in the output stage.

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