

Abstracts

A Power Distributed Amplifier Using Constant-R Networks

E.M. Chase and W. Kennan. "A Power Distributed Amplifier Using Constant-R Networks." 1986 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 86.1 (1986 [MCS]): 13-17.

This paper describes the design, implementation and performance of a power distributed amplifier with a minimum gain of 5dB, input and output VSWR less than 1.5:1, and greater than 22dBm of 1dB compressed power over the 2 to 18GHz band. This amplifier makes use of several circuit design advances to improve both bandwidth and power capability and measures 1.0mm by 1.4mm (1.4 sq. mm).

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