

Abstracts

A 10 Watt Broadband FET Combiner/Amplifier

M. Cohn, B.D. Geller and J.M. Schellenberg. "A 10 Watt Broadband FET Combiner/Amplifier." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 292-297.

The development of a 10W MIC combiner/amplifier which combines the powers of 12 FET elemental amplifiers over a 24%, 1 dB band is described. The combining efficiency is greater than 90 percent. The design of both the radial combiner and the elemental amplifiers is described. Extension of the combiner design to operation over an octave will be discussed.

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