

Abstracts

30-Way Radial Power Combiner for Miniature GaAs FET Power Amplifiers

E. Belohoubek, R. Brown, H. Johnson, A. Fathy, D. Bechtle, D. Kalokitis and E. Mykietyn. "30-Way Radial Power Combiner for Miniature GaAs FET Power Amplifiers." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 515-518.

A compact radial divider/combiner structure is described that combines 30 miniature GaAs FET power amplifiers. A power output of 26 W has been achieved at 11.3 GHz with a 0.5-dB bandwidth of 600 MHz. The combiner is small, lightweight, low loss and offers graceful degradation.

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