

Abstracts

Radially Combined 30 W, 14-16 GHz Amplifier

F. Sechi, M. Bujatti, R. Knudson and R. Bugos. "Radially Combined 30 W, 14-16 GHz Amplifier." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1737-1739.

The paper describes a highly integrated 30 W power amplifier for a Synthetic Aperture Radar, operating in the 14-16 GHz band. The use of a waveguide radial combiner, a microstrip power divider and direct microstrip to waveguide transitions, in combination with a miniaturized ceramic technology, leads to an unusually compact and accessible structure, well suited for commercial production.

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