

Abstracts

High Power Stable Pulsed X-Band IMPATT Amplifiers Using Resonant Cavity Power Combiners (Abstract)

R.G. Mastroianni and A.C. Levitan. "High Power Stable Pulsed X-Band IMPATT Amplifiers Using Resonant Cavity Power Combiners (Abstract)." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 468-468.

The characteristics of fundamental mode and overmoded resonant cavity IMPATT diode power combiners operating as stable reflection amplifiers are described. The spectral purity of this class of RF amplifier has been measured and was found to be satisfactory for use in sophisticated radar systems.

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