

Abstracts

High-Power Microwave Amplifier Using an Antiparallel Avalanche-Diode Pair (Dec. 1971 [T-MTT])

H. Kawamoto. "High-Power Microwave Amplifier Using an Antiparallel Avalanche-Diode Pair (Dec. 1971 [T-MTT])." 1971 Transactions on Microwave Theory and Techniques 19.12 (Dec. 1971 [T-MTT] (1971 Symposium Issue)): 911-915.

Two high-efficiency avalanche diodes, each placed in opposite polarity to the other at the ends of an approximately one-half wavelength transmission line, have worked as a high-power reflection-type amplifier. The circuit configuration is called an antiparallel pair of high-efficiency avalanche diodes. The antiparallel amplifier has provided 200-W pulsed output power with a 10-dB gain at 1.01 GHz.

 [Return to main document.](#)