

# Abstracts

## A High Power Waveguide IMPATT Amplifier

---

*P. Ruella. "A High Power Waveguide IMPATT Amplifier." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 82-84.*

A CW waveguide amplifier using a silicon double-drift IMPATT diode provides 10 dB gain with 2 Watts output at 11.2 GHz. A design procedure for control of frequency, gain, and bandwidth is described.

 [Return to main document.](#)