

# Abstracts

## Development and Applications of Millimeter Wavelength, High Power Optically Pumped Lasers

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*N.C. Luhmann, Jr. and A. Semet. "Development and Applications of Millimeter Wavelength, High Power Optically Pumped Lasers." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 76-78.*

The performance and applications of high power pulsed lasers in the 0.75 - 2 mm wavelength region is discussed. A narrow-linewidth, oscillator-amplifier configuration, pumped by a grating tuned CO/sub 2/ laser, has produced pulsed power levels (~100 nsec duration) of approximately 50 kW at 0.862 mm, 1.006 mm and 1.222 mm.

 [Return to main document.](#)