

# Abstracts

## A Millimeter Wave Oscillator Using Newly Developed Hermetically Sealed IMPATT Diode

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*H. Nagao, H. Hasumi, S. Katayama and M. Ohmori. "A Millimeter Wave Oscillator Using Newly Developed Hermetically Sealed IMPATT Diode." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 366-368.*

A millimeter wave oscillator that utilizes a silicon DDR IMPATT diode hermetically sealed in a mechanically-rugged ceramic type package with a diamond heat sink, has been developed. The oscillator is capable of delivering 100-150mW output power at 80 GHz band.

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