

Abstracts

150 GHz Band IMPATT Oscillators, Frequency Converters and Doublers

M. Ohmori, M. Hirayama and T. Ishibashi. "150 GHz Band IMPATT Oscillators, Frequency Converters and Doublers." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 219-221.

Si p+-n-n+ IMPATT oscillators, GaAs frequency converters and doublers at 150 GHz band were developed. Oscillator output power was 85 mW at 161 GHz with 2.8 percent efficiency. DC incremental conversion loss was 5.5 dB with a Schottky-barrier mixer.

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