

Abstracts

K-Band High Power Single-Tuned IMPATT Oscillator Stabilized by Hybrid-Coupled Cavities (1972 [MWSYM])

H. Komizo, T. Meguro, Y. Ito and M. Shinoda. "K-Band High Power Single-Tuned IMPATT Oscillator Stabilized by Hybrid-Coupled Cavities (1972 [MWSYM])." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 176-178.

Highly stable 0.7W CW K-bend IMPATT power source with frequency stability of about 4×10^{-5} / 0~50°C has been developed. This has been achieved by a combination of a single-tuned oscillator stabilized by hybrid-coupled cavities and one stage high power reflection type amplifier.

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