

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

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Highly stable 0.7W CW K-band IMPATT power source with frequency stability of about 4×10^{-5} / $^{\circ}\text{C}$ 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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