

Abstracts

The Josephson Self-Oscillator Mixer as a Submillimeter and Far-Infrared Detector

G. Vernet, J.C. Henaux and R. Adde. "The Josephson Self-Oscillator Mixer as a Submillimeter and Far-Infrared Detector." 1977 *Transactions on Microwave Theory and Techniques* 25.6 (Jun. 1977 [T-MTT] (Special Issue on the Proceedings of the Second International Conference on Submillimeter Waves and Their Applications)): 473-476.

The Josephson self-oscillator mixer has potential detector applications at submillimeter frequencies. A quantitative investigation of noise effects and of its physical origin is performed with measurements of monochromatic radiation in the frequency range 0.1-2 THz.

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