Abstracts

Present Status of the Applications of Pyroelectricity to the Detection of Far-Infrared Radiations

A. Hadni. "Present Status of the Applications of Pyroelectricity to the Detection of Far-Infrared Radiations." 1974 Transactions on Microwave Theory and Techniques 22.12 (Dec. 1974, Part I [T-MTT] (Special Issue on the Proceedings of the First International Conference on Submillimeter Waves and Their Applications)): 1016-1018.

The best defectivity at room temperature is obtained with a TGS single-crystal plate 10 µm thick: D*(47/°C) = 6·l0/sup 8/ W/sup -1/ Hz/sup 1/2/ cm. It is shown that epitaxial layers can give as good or better detectivities.

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