

Abstracts

Design of Printed Resonant Antennas for Monolithic-Diode Detectors

K. Mizuno, Y. Daiku and S. Ono. "Design of Printed Resonant Antennas for Monolithic-Diode Detectors." 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)): 470-472.

Model experiments at 10-GHz band have been performed to obtain optimum structures of printed resonant antennas for monolithic GaAs Schottky-diode detectors in the submillimeter-wave region. Design charts for antenna structures, which are also useful for a thin-film metal-to-metal diode structure on a dielectric substrate, are presented.

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