

Abstracts

Metal-Barrier-Metal Junctions for Room Temperature Millimeter-Wave Mixing and Detection

C.W. Slayman and T.K. Gustafson. "Metal-Barrier-Metal Junctions for Room Temperature Millimeter-Wave Mixing and Detection." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 338-340.

In the past, metal-barrier-metal (MBM) point-contact diodes have been used at room temperature as coherent detectors from microwave to optical frequencies. For the first time, the millimeter-wave mixing and detection characteristics of stable thin-film Ni-NiO-Ni junctions fabricated by photolithographic means will be reported.

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