

Abstracts

Schottky-Barrier Diode Converters in the Short Millimeter Wavelengths Region

M. Akaïke. "Schottky-Barrier Diode Converters in the Short Millimeter Wavelengths Region." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 237-239.

A theoretical analysis of upconverters, and an experimental waveguide-type upconverter and downconverter at 120GHz are described. An upconverter with an output power of 2.5 dBm and a downconverter with a conversion loss of 9.2/spl plusmn/0.7 dB and an RF bandwidth of 35 GHz were obtained.

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