

Abstracts

Current Status of Integrated Submillimeter-Wave Antennas

G.M. Rebeiz. "Current Status of Integrated Submillimeter-Wave Antennas." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 1145-1148.

This paper summarizes the recent advances in efficient submillimeter-wave integrated antennas. The use of these antennas in planar receivers will result in very low- noise receivers for frequencies above 100 GHz. The antennas presented here are the quasi- monolithic integrated horn antennas, the substrate-backed spiral and log-periodic antennas, the endfire slot-line antennas on thin membranes, the double-dipole integrated reflector antenna and the dielectric filled parabola. Another important antenna, the substrate backed dual-slot antenna, is presented in this session in a different paper.

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