

Abstracts

Active Integrated Devices on Dielectric Substrates for Millimeter-Wave Applications

R. Mittra, B. Kirkwood and N. Deo. "Active Integrated Devices on Dielectric Substrates for Millimeter-Wave Applications." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 220-223.

Step-by-step evolution of active integrated devices on a dielectric substrate from conventional metal waveguide design is described. Designs of oscillators, mixers and receivers are presented, and their measured performance characteristics are reported.

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