

Abstracts

Millimeter-Wave Monolithic Integrated Circuits

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This paper summarizes the progress, trends, and technical issues associated with monolithic millimeter-wave effort. Presented first is background information intended to set forth: a description of the opportunities which spur this effort; and a summary of some of the important technical challenges. Next, a discussion is provided of recent performance for semiconductor device types and circuit media which serve as building blocks for this technology. Then a description is provided of salient monolithic programs which benchmark the status of current effort. The paper concludes with a summary of technical issues and thrusts.

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