Abstracts

Considerations in Producibility Engineering of MMIC's

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Advances in GaAs devices and processing technology have made monolithic microwave and millimeter-wave integrated circuit (MMIC) technology feasible for various military and space communication systems. The producibility engineering of monolithic microwave integrated circuits and modules required for various system insertions requires careful consideration in the areas of processing, device characterization and modeling, circuit simulation, module assembly, packaging, and testing. Appropriate design tools are necessary in achieving their desired performance. This paper highlights some considerations in the producibility engineering aspects of the chips and modules, in terms of both design methodologies and design took.

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