

Abstracts

Foreword (Jul. 1968 [T-MTT])

W.J. Edwards. "Foreword (Jul. 1968 [T-MTT])." 1968 Transactions on Microwave Theory and Techniques 16.7 (Jul. 1968 [T-MTT] (Special Issue on Microwave Integrated Circuits)): 383-383.

The Subject of this issue is the integration of microwave circuits--a method for the construction of microwave circuits where photolithographic and chemical processes are the dominant fabrication techniques. Concerted efforts in this area began in 1964. Uhli's article on the "Microwave Applications of Integrated Circuit Techniques" (IEEE Proceedings, December, 1964) and government sponsored efforts helped focus attention on the possibility of integrating microwave circuits. At that time there were few encouraging signs to indicate that microwave integration could provide the performance and cost advantages that were then projected. Few quality components were available in compatible packages, the beam-lead technology was just emerging, and measurements on large area Schottky barrier diodes at 900 MHz only indicated that they might be likely substitutes for point contact diodes.

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