

# Microwave Solid-state Circuits And Applications

by Kai Chang

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Focuses on the basic operating principles and the techniques used to incorporate the devices into circuit applications. Part one reviews fundamental principles in transmission lines and circuits as well as semiconductor physics. Two-terminal solid-state devices, circuits and applications are covered in the second section. Part three discusses three-terminal solid-state dev Focuses on the basic operating principles and the techniques used to incorporate the devices into circuit applications. Part one reviews fundamental principles in transmission lines and circuits as well as semiconductor phys International Solid-State Circuits Conference is a global forum for presentation of advances in solid-state circuits and Systems-on-a-Chip. The Conference offers a unique opportunity for engineers working at the cutting edge of IC design to maintain technical currency, and to network with leading experts. It is held every year in February at the San Francisco Marriott hotel in downtown San Francisco. ISSCC is sponsored by IEEE Solid-State Circuits Society. Microwave Solid-State Circuits and Applications offers a comprehensive presentation of microwave technologies based on solid-state devices and circuits, with emphasis on operational principles and techniques for incorporating these devices into circuit applications. Fundamental design equations are derived and practical examples are given whenever possible. More than 300 illustrations serve to clarify principles and concepts under discussion, and a set of problems at the end of each chapter helps strengthen students' grasp of the subject.

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