

1. Record Nr.	UNINA9910138284203321
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Titolo	Advanced Microwave and Millimeter Wave Technologies : Semiconductor Devices Circuits and Systems // Moumita Mukherjee, editor
Pubbl/distr/stampa	IntechOpen, 2010 Vukovar, Croatia : , : InTech, , [2010] ©2010
ISBN	953-51-5885-6
Descrizione fisica	1 online resource (x, 642 pages) : illustrations
Disciplina	621.3813
Soggetti	Microwave devices Millimeter wave devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This book is planned to publish with an objective to provide a state-of-the-art reference book in the areas of advanced microwave, MM-Wave and THz devices, antennas and system technologies for microwave communication engineers, Scientists and post-graduate students of electrical and electronics engineering, applied physicists. This reference book is a collection of 30 Chapters characterized in 3 parts: Advanced Microwave and MM-wave devices, integrated microwave and MM-wave circuits and Antennas and advanced microwave computer techniques, focusing on simulation, theories and applications. This book provides a comprehensive overview of the components and devices used in microwave and MM-Wave circuits, including microwave transmission lines, resonators, filters, ferrite devices, solid state devices, transistor oscillators and amplifiers, directional couplers, microstripeline components, microwave detectors, mixers, converters and harmonic generators, and microwave solid-state switches, phase shifters and attenuators. Several applications area also discusses here, like consumer, industrial, biomedical, and chemical applications of microwave technology. It also covers microwave instrumentation and

measurement, thermodynamics, and applications in navigation and radio communication.
