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Nota di contenuto	MICROWAVE CIRCUIT DESIGN USING LINEAR AND NONLINEAR TECHNIQUES; CONTENTS; FOREWORD; PREFACE; 1 RF/MICROWAVE SYSTEMS; 1.1 Introduction; 1.2 Maxwell's Equations; 1.3 RF Wireless/Microwave/Millimeter-Wave Applications; 1.4 Frequency Bands, Modes, and Waveforms of Operation; 1.5 Analog and Digital Requirements; 1.6 Elementary Definitions; 1.7 Basic RF Transmitters and Receivers; 1.8 Modern CAD for Nonlinear Circuit Analysis; 1.9 Dynamic Load Line; References; Bibliography; Problems; 2 LUMPED AND DISTRIBUTED ELEMENTS; 2.1 Introduction; 2.2 Transition from RF to Microwave Circuits 2.3 Parasitic Effects on Lumped Elements 2.4 Distributed Elements; 2.5

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The ultimate handbook on microwave circuit design with CAD. Full of tips and insights from seasoned industry veterans, *Microwave Circuit Design* offers practical, proven advice on improving the design quality of microwave passive and active circuits-while cutting costs and time. Covering all levels of microwave circuit design from the elementary to the very advanced, the book systematically presents computer-aided methods for linear and nonlinear designs used in the design and manufacture of microwave amplifiers, oscillators, and mixers. Using the newest CAD tools, the book shows how to design
