

1. Record Nr.	UNINA9910813044603321
Autore	Marsh Steve, Ph. D.
Titolo	Practical MMIC design // Steve Marsh
Pubbl/distr/stampa	Norwood, Massachusetts : , : Artech House, , ©2006 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2006]
ISBN	1-59693-037-3
Descrizione fisica	1 online resource (377 p.)
Collana	Artech House microwave library
Disciplina	621.38132
Soggetti	Microwave integrated circuits - Design and construction Microwave circuits - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Practical MMIC Design; Contents vii; Foreword; Preface xv; 1 Introduction 1; 2 Component Technology and Foundry Choice 11; 3 Foundry Use and Economics 57; 4 Simulation and Component Models 65; 5 Design 89; 6 Layout 261; 7 Processing Technology 279; 8 Test 313; Appendix: Answers to Questions 323; Glossary 331; About the Author 341; Index 343.
Sommario/riassunto	Monolithic microwave integrated circuits (MMICs) are used in a host of electronics from cellular phones and global positioning systems to missile systems and radar. They are prized for their high performance and reliability, but they can be costly and highly difficult to produce. Proper design is the key to minimizing these problems. This practical resource is filled with real-world design techniques and rules of thumb that engineers can use on the job everyday to decrease costs and improve production quality. Emphasizing practice over theory, this handy reference is filled with photos of real.