1. Record Nr. UNINA9910458280303321 Autore Marsh Steve, Ph. D. Titolo Practical MMIC design / / Steve Marsh Pubbl/distr/stampa Norwood, Massachusetts:,: Artech House,, ©2006 [Piscatagay, 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 Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Practical MMIC Design; Contents vii; Foreword; Preface xv; 1 Nota di contenuto 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. Monolithic microwave integrated circuits (MMICs) are used in a host of Sommario/riassunto 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.