

Rfic And Mmic Design And Technology Available

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MMIC Design
Practical MMIC Design
MMIC Design
MMIC Design of Ultra Low Noise Amplifiers
University Based Microwave Monolithic Integrated Circuit (MMIC) Design and Analysis
Millimeter-wave and Infrared Multisensor Design and Signal Processing
Cryogenic Wideband LNA Design and Characterization
K-Band Power Embedded Transmission Line (ETL) MMIC Amplifiers for Satellite Communication Applications
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Micromachined W-band Circuits
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this book gives an in depth account of gaas inp and sige technologies and describes all the key techniques for the design of amplifiers ranging from filters and data converters to image oscillators mixers switches variable

attenuators phase shifters integrated antennas and complete monolithic transceivers

this book draws together all the important mmic design methods and circuit topologies into one volume it is essential reading as both a tutorial guide for those new to mmic design and as a circuit design handbook for experienced designers the contributors are acknowledged experts from industry and academia the first four chapters describe the active and passive components processing technology and cad techniques the design of the circuits is then covered in individual chapters treating amplifiers mixers phase shifters switches and attenuators and oscillators the final three chapters describe silicon millimetre wave circuits measurement techniques and advanced circuit concepts

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detailed information on the principles of integrated design required for successful fabrication of mmic chips at a reasonable cost it emphasizes cad techniques and the effects of material variation the device modelling techniques presented demonstrate the simulation of overall mmic chip behavior a

here s a practical non theoretical introduction to the principles applications and benefits of multi sensor technology used in smart weapon development surveillance systems and an increasing variety of non military applications this book provides a broad overview of mmw millimeter wave and ir infrared sensor constraints design principles system alternatives and targeting applications and is unique in its coverage of integrated mmw and ir multisensor design

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