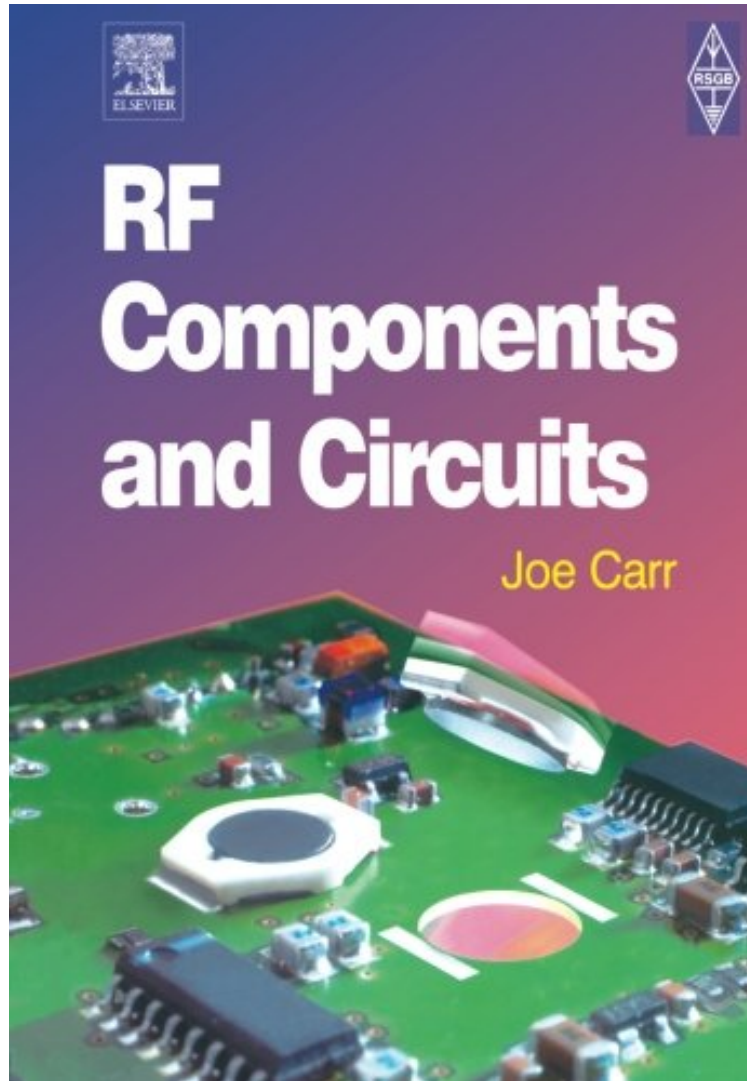


RF Components and Circuits

Joe Carr

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Some basic knowledge of electronics is assumed, but the essential features of RF are fully described, including the important topic of receiver dynamic which is often overlooked in basic textbooks. The theory and circuit descriptions are geared towards genuine design applications rather than the oversimplifications and skeleton circuits of many college texts. During his career, the late Joe Carr was one of the world's leading writers on electronics and radio, and

an authority on the design and use of RF systems. Whether you are looking for a complete self-study course in RF technology, or a concise reference text to dip into, this book has the solution. A complete course in understanding and designing RF circuits Practical design knowhow from a world-class author

"Intended as a self-study course in radio frequency (RF) technology for students, advanced electronic hobbyists and/or radio-electronics engineers. Written in a descriptive, highly illustrated style. Recommended reading by Choice." -- Choice Library Journal, May 2003 "Carr's book is a comprehensive introduction to the design and function of radio frequency circuits. This informative but easy writing style enables the knowledgeable reader to not only learn a lot of additional material but also use the text as a handbook to focus on troubleshooting specific concepts. The numerous illustrations, comprehensive bibliography, and detailed index enhance the usefulness of this well-written text." -- E-Streams, January 2004 From the Publisher Joe Carr is one of the world's leading writers on electronics and radio, and an authority on the design and use of RF systems. Whether you are looking for a complete self-study course in RF technology, a concise reference text to dip into or a course text that is readable and straightforward, Joe Carr has the solution. Joe Carr has also designed this book to match a range of courses run in the UK and USA up to first degree level. From the Back Cover *A complete course in understanding and designing RF circuits* Practical design knowhow from a world-class author A comprehensive introduction to designing and understanding RF circuits RF Components and Circuits covers the practicalities of designing and building circuits, including fault-finding and use of test equipment. The RF circuits covered in this book are the heart of the electronic design of TV sets, personal mobile radio, remote control systems, mobile phones, and digital TV and radio, making it essential reading for radio and electronics engineers, students and advanced electronics hobbyists. Joe Carr demystifies the RF design process, presenting real-world design principles, tips and rules-of-thumb with a minimum of mathematics. By explaining how different circuit types work, and how they can be modified Joe provides a master-class that is essential reading for electronics experts and newcomers to RF design alike. Some basic knowledge of electronics is assumed, but the essential features of RF are fully described, including the important topic of receiver dynamic which is often overlooked in basic textbooks. The theory and circuit descriptions are geared towards genuine design applications rather than the oversimplifications and skeleton circuits of many college texts. During his career, the late Joe Carr was one of the world's leading writers on electronics and radio, and an authority on the design and use of RF systems. Whether you are looking for a complete self-study course in RF technology, or a concise reference text to dip into, this book has the solution.