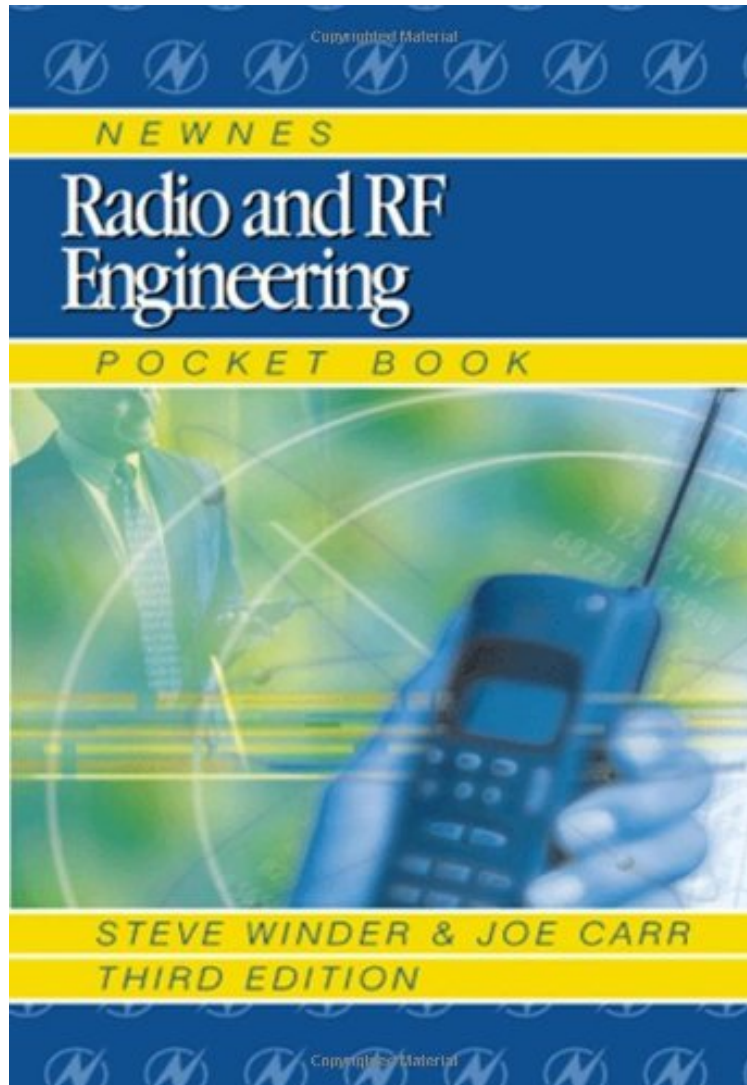


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Newnes Radio and RF Engineering Pocket Book, Third Edition (Newnes Pocket Books)

Steve Winder, Joseph Carr

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New material in the third edition includes mobile base station antennas, operation of cellular networks, SAW filters and ceramic resonators, modulation for stereo FM broadcasts, ADPCM, and vocoders. *The essential data and information for modern radio engineering at your fingertips*Based on the practical knowhow of practicing engineers*Ideal for reference and revision

From the PublisherThis handy volume contains a mass of essential information and data needed every day by a wide range of radio engineers, RF electronics designers, telecommunications engineers, radio hobbyists, radio / TV technicians and students.From the Back Cover*The essential data and information for modern radio engineering at your fingertips*Based on the practical knowhow of practicing engineers*Ideal for reference and revisionThis handy volume contains a mass of essential information and data needed every day by a wide range of radio engineers, RF circuit designers, telecommunications engineers, radio hobbyists, radio / TV technicians and students. Newnes Radio and RF Engineering Pocket Book covers all aspects of radio and communications engineering from very low frequencies to microwaves, with particular emphasis on mobile communications. Wave principles and the decibel scale, instrumentation and power supplies, equipment types and encryption methods, connectors and interfaces, are all included in this book.New material in the third edition includes mobile base station antennas, operation of cellular networks, SAW filters and ceramic resonators, modulation for stereo FM broadcasts, ADPCM, and vocoders.About the AuthorSteve Winder is now a European Field Applications Engineer for Intersil Inc. Steve works alongside design engineers throughout Europe to design circuits using components made by Intersil Inc, a US based manufacturer of CMOS ICs used for power supply controllers and for analogue signal processing.Prior to joining Intersil Inc., Steve worked for US based Supertex Inc. in 2002, where he was instrumental in encouraging Supertexs management to start developing LED drivers. One of Steves German customers had started using a relay driver for LEDs and once Steve had explained the technical detail of this application to Supertexs management, they decided to start an applications team to develop LED specific products. Supertex then invested heavily to become a leader in this field. Microchip acquired Supertex in 2014.Until 2002, Steve was for many years a team leader at British Telecom Research Laboratories, based at Martlesham Heath, Ipswich in the UK. Here he designed analog circuits for wideband transmission systems, mostly high frequency, and designed many active and passive filters.Steve has studied electronics and related topics since 1973, receiving an Ordinary National Certificate (ONC) in 1975 and Higher National Certificate (HNC) in 1977 with Endorsements in 1978. He studied Mathematics and Physics part time with the Open University for 10 years, receiving a Bachelor of Arts Degree with 1st Class Honours in 1989. He received a Masters Degree in 1991, in Telecommunications and Information Systems after studying at Essex University. Since 1991, he has continued with self-study of electronics, to keep up-to-date with new innovations and developments.Joe Carr devoted his life to furthering a wider understanding of electronics and spreading his passion for radio, becoming one of the USAs best known technical authors with over 25 books and hundreds of magazine articles to his name. Newnes is proud to have published a number of his recent titles, including his last book, RF Components and Circuits.