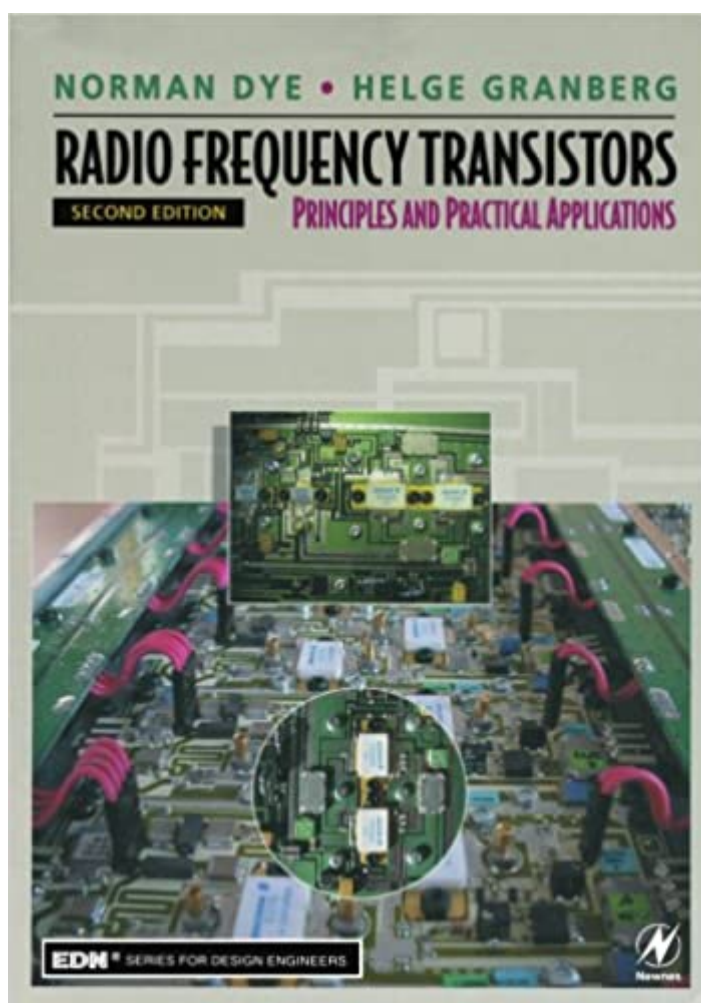


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# Radio Frequency Transistors, Second Edition: Principles And Practical Applications (EDN Series For Design Engineers)



## Synopsis

Radio Frequency Transistors: Principles and Practical Applications is a complete tool kit for successful RF circuit design. As cellular and satellite communications fields continue to expand, the need for RF circuit design grows. Radio Frequency Transistors contains a wealth of practical design information based on years of experience from authors who have worked with the leading manufacturers of RF components. The book focuses primarily on the more difficult area of high power transistor amplifier design and construction. An entire chapter devoted solely to LDMOS high power RF transistors has been added to the new edition. A comparison is given between LDMOS FETs, TMOS FETs and bipolar transistors, showing clearly why LDMOS is the designer's choice for high power, linear amplifiers in today's rapidly expanding digital world of communications. Coverage also includes applications of LDMOS RF high power transistors in current generation cellular technologies, the design of LDMOS high power amplifiers, and comments about the latest efforts to model LDMOS RF power devices. Other topics covered include the selection of matched high power RF transistors, input impedance matching of high power transistors, interstage matching, and capacitors and inductors at radio frequencies. Fully updated to include the newest cutting edge technology of RF circuit design. Contains practical, hands-on design advice to help you save time, money and resources. Written by engineers for engineers to use in the field.

## Book Information

Series: EDN Series for Design Engineers

Paperback: 320 pages

Publisher: Newnes; 2 edition (February 6, 2001)

Language: English

ISBN-10: 0750672811

ISBN-13: 978-0750672818

Product Dimensions: 7 x 0.7 x 10 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.9 out of 5 stars 11 customer reviews

Best Sellers Rank: #2,092,827 in Books (See Top 100 in Books) #54 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State](#) #457 in [Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Design > Products](#) #616 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design](#)

## Customer Reviews

"...a complete tool kit for RF circuit design." --RF Globalnet

Motorola --This text refers to the Digital edition.

Found semiconductor information not usually discussed in other so-called "standard RF" texts. Well worth the cost..

Excellent reference book for when I was still working on my vacuum FET project.I still have it and intend to keep it.

Just what I was looking for. Very clean, for a used book. Useful in my line of work.

This book has been revised and updated in a second edition. I suggest that you either buy this book used or the second edition new depending upon your needs and finances.This book bridges the gap between school theory and practice in RF power amplifier design and construction. This is the best book on the subject that I have seen in 40 years.

Good

Pretty much a must-have text. If you understand who Dye and Granberg were and appreciate their experience, you really will want to have this text. Their tireless experimentation over the years is captured here. They give real practical reasons why certain things were done that will open your eyes. Especially if you use Wes Hayward's Experimental Methods for RF Design, you'll appreciate where he gets a lot of his knowledge. I go back again and again to those two texts together, trying to get the concepts through my skull. It's a great read between bench sessions for learning RF design. I highly recommend it for the serious self-taught student.

An excellent book from the pioneering master of solid state HF amp design.

The best book on RF amplifiers (particularly in the HF range) that has ever been published.

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