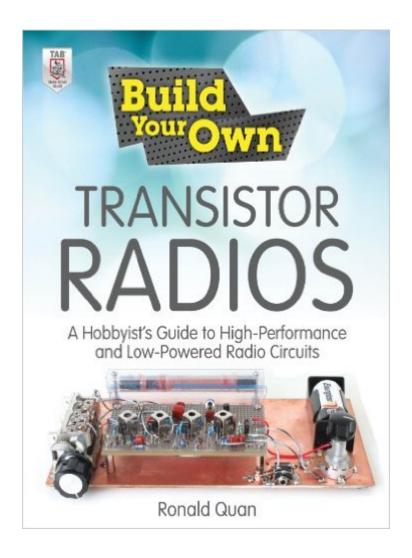
The book was found

Build Your Own Transistor Radios: A Hobbyist's Guide To High-Performance And Low-Powered Radio Circuits





Synopsis

A DIY guide to designing and building transistor radios Create sophisticated transistor radios that are inexpensive yet highly efficient. Build Your Own Transistor Radios: A Hobbyistâ ™s Guide to High-Performance and Low-Powered Radio Circuits offers complete projects with detailed schematics and insights on how the radios were designed. Learn how to choose components, construct the different types of radios, and troubleshoot your work. Digging deeper, this practical resource shows you how to engineer innovative devices by experimenting with and radically improving existing designs. Build Your Own Transistor Radios covers: Calibration tools and test generators TRF, regenerative, and reflex radios Basic and advanced superheterodyne radios Coil-less and software-defined radios Transistor and differential-pair oscillators Filter and amplifier design techniques Sampling theory and sampling mixers In-phase, quadrature, and AM broadcast signals Resonant, detector, and AVC circuits Image rejection and noise analysis methods This is the perfect guide for electronics hobbyists and students who want to delve deeper into the topic of radio. Make Great Stuff!TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

Book Information

File Size: 83078 KB

Print Length: 498 pages

Page Numbers Source ISBN: 0071799702

Publisher: McGraw-Hill Education TAB; 1 edition (November 22, 2012)

Publication Date: November 22, 2012

Sold by: A Digital Services LLC

Language: English

ASIN: B00AFUO89Y

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #630,677 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #19 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Transistors #20 in Kindle Store > Kindle eBooks > Engineering &

Transportation > Engineering > Electrical & Electronics > Transistors #44 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Transistors

Customer Reviews

This book is a very refreshing book with a unique approach to radio receiver design. Don't be fooled by the title, "Building Your Own Transistor Radios". This book is almost auto biographic. It takes many of the author's boyhood experiences with simple crystal radios and relives that experience. However, with 35 years in the industry and over 70 US patents, he can now gives a much more thorough analysis of how and why the simple crystal radio works and how to improve it. The author then proceeds to improve the performance of a simple crystal radio. Covering the analysis of amplifiers, mixers, and filters and using these building blocks to construct his "super radios". A unique chapter is given on "Inductorless Radios". Using Gyrators as inductors, Mr. Quan shows several radio architectures using op amps to construct gyrators (and thus inductors) and build successful high performance radios. There is even a chapter on how to make your own signal generators for testing these circuits. The book can be described as broken into two sections. The first section for the casual hobbyist who wants to improve his/her understanding of radio receiver design and a second section for the more advanced radio engineer. The second section on analysis of distortion and noise is more typically taught at the graduate level at most engineering schools. The Chapters on Software Define (SDR) radios takes the reader from superheterodyne architecture to the present state of the art SDR radio using I and Q of a radio signal. He goes on the say, "With I and Q you can demodulate anything." Although one does not need to understand all the trigonometry involved in deriving many of the equations, Mr. Quan takes a step by step approach to the derivations.

Download to continue reading...

Build Your Own Transistor Radios: A Hobbyist's Guide to High-Performance and Low-Powered Radio Circuits Low Carb: Low Carb Diet For Beginners. How To Lose 10 Pounds in 10 Days: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, ... diet for dummies, low carb high fat diet,) Low Carb BOX SET 4 IN 1: 100 Best Low Carb Recipes You Will Love!: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, ... low carb lunches, low carb dinners,) Ham Radio Guide Quick Start Ham Radio Guide- From Beginner To Advanced: (Ham Radio Study Guide, Dummy Load Ham Radio) (Home Ham Radio, Ham Radio Book) Ham Radio: Ultimate Ham Radio Beginners To Expert Guide: Easy Step By Step Instructions And Vital Knowledge To Start Using Your Ham Radio Today! (Ham Radio, Ham ... Radio License

Manual, Ham Radio For Dummies) Low Carb Freezer Meals: 26 Make-Ahead Low Carb Freezer Meals: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low ... Ketogenic Diet to Overcome Belly Fat) Low Carb BOX SET 7 IN 1: 165 Amazing Low Carb Recipes You Will Love!: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Carb Casseroles: 21 Super Satisfying Low Carb Casseroles: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low ... Ketogenic Diet to Overcome Belly Fat) Low carb cookbook: 35 delicious snack recipes for weight loss. Low carb cooking, low carb diet, low carbohydrade, low carb recipes, low carb, low carb ... low carb cooking, weight loss Book 1) Low Carb Cookbook: Delicious Snack Recipes for Weight Loss. (low carbohydrate foods, low carb cooking, low carb diet, low carb recipes, low carb, low carb ... dinner recipes, low carb diets Book 1) Low Carb Casseroles BOX SET 2 IN 1: 38 Super Satisfying Low Carb Casseroles That Will Amaze Your Family: (low carbohydrate, high protein, low carbohydrate ... diet for dummies, low carb high fat diet) Low Carb Mexican Recipes: 25 Of Your Favorite Mexican Recipes Made Low Carb!: (low carbohydrate, high protein, low carbohydrate foods, low carb, low ... Ketogenic Diet to Overcome Belly Fat) Ham Radio: Ultimate User Guide 2016 (Survival, Communication, Self Reliance, Ham Radio, ham radios, ham radio for beginners, self reliance) Low Carb Diet: 15 Healthy And Delicious Low Carb Salads To Lose Weight Fast: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb ... Ketogenic Diet to Overcome Belly Fat) Low Carb Diet BOX SET 3 IN 1: 30 Low Carb Snacks + 21 Low Carb Casseroles + 20 Low Carb Soups: (low carbohydrate, high protein, low carbohydrate foods, ... Ketogenic Diet to Overcome Belly Fat) Low Carb Ice Cream: 21 Great Low Carb Sugar Free Ice Cream Recipes: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, ... Ketogenic Diet to Overcome Belly Fat) Low Carb Diet - Top 200 Low Carb Recipes Cookbook: (Low Carb, Budget Cookbook, Low Carb Diet, Low Carb Recipes, Atkins Diet, Low Carb Slow Cooker Recipes, Low Carb Living) Low-Voltage/Low-Power Integrated Circuits and Systems: Low-Voltage Mixed-Signal Circuits (IEEE Press Series on Microelectronic Systems) Principles of Transistor Circuits, Eighth Edition: Introduction and guide to the design of amplifiers, function generators, receivers and digital circuits Low Carb Cookies: 23 Best Low Carb Cookie Recipes To Maintain Your Healthy Eating Habits: (low carbohydrate, high protein, low carbohydrate foods, low ... Ketogenic Diet to Overcome Belly Fat)

Dmca