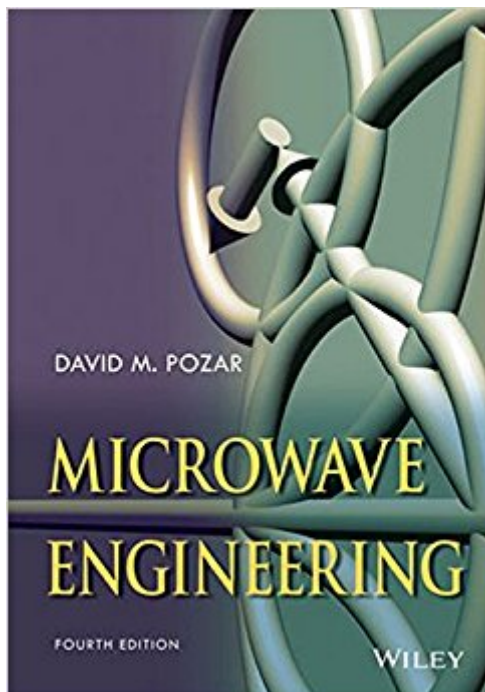


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# Microwave Engineering



## Synopsis

Pozar's new edition of Microwave Engineering includes more material on active circuits, noise, nonlinear effects, and wireless systems. Chapters on noise and nonlinear distortion, and active devices have been added along with the coverage of noise and more material on intermodulation distortion and related nonlinear effects. On active devices, there's more updated material on bipolar junction and field effect transistors. New and updated material on wireless communications systems, including link budget, link margin, digital modulation methods, and bit error rates is also part of the new edition. Other new material includes a section on transients on transmission lines, the theory of power waves, a discussion of higher order modes and frequency effects for microstrip line, and a discussion of how to determine unloaded.

## Book Information

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## Customer Reviews

David Pozar is professor of Electrical and Computer Engineering at University of Massachusetts, Amherst. He has received numerous awards both for his teaching and for his research, including an IEEE Third Millennium award. Dr. Pozar is acknowledged as a leading figure in Microwave and RF circuit design research.

This is a fantastic book. Wish I had it 50 years ago! The material is vast and considered all parts of microwave design from transmission, to antennas, to devices, to system elements. I would argue that this is a must have for anyone in microwave engineering. The author has done a superb job in presenting the material without taking the reader down the path of theoretic drivel. This is a classic

in engineering presentation. It balances theory with application and is as current as any text of this type can be.

This book manages to give an encyclopedic overview of microwave engineering but wrote in an easy to read almost novel formate. I found myself excited to most to the next chapter and not being able to put it down. Pozar covers all of the important into topics with passive engineering and even makes it into active and nonlinear microwave engineering. Provided me with a very solid foundation for advance books and courses in microwave engineering.

Wealthy material, thorough subject treatment for this classic. Not sure if worthy to pay if you already own 3ed...Excellent introductory and intermediate book on mw engineering for undergrads, grads and engineers (i myself use it regularly for designs). One suggestion: Though may not be pertinent, introductory (or in depth) material on simulation methods, ports, deembedding, calibrations and so on( Jim Rautio and other guys from AWR, HFSS, CST, FEKO...) would be welcome, as i usually switch back and forth between their ANs or documents and this book when designing high freq structures... All in all a good acquisition for any serious person in the uw world.

This book has a good comprehensive view of the fundamentals of microwaves. Academics may want to have a different view such as the one delivered by Colin's book. However, I think this book is the very reference for microwave engineers and students.

This is he microwave engineers bible! I swear by it! Pozar has written a thorough and comprehensive text. This is great even after college.

Hard through my microwave engineering class , and the book had been great. Here and there I find some things could be explained more clearly, but that is a nit pick

Absolutely outstanding book. It's been extremely helpful for me starting a new job in the field. Got me right up to speed with the basics, so I'm ready to get going!

Great textbook.

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