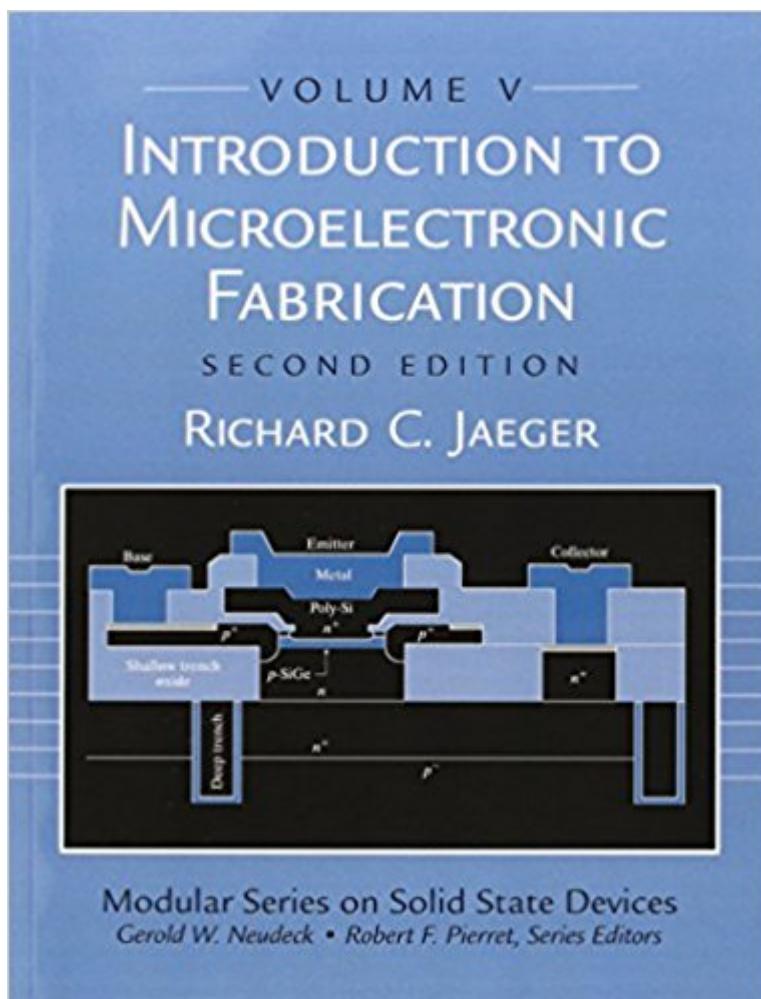


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Introduction To Microelectronic Fabrication: Volume 5 Of Modular Series On Solid State Devices (2nd Edition)



Synopsis

This introductory book assumes minimal knowledge of the existence of integrated circuits and of the terminal behavior of electronic components such as resistors, diodes, and MOS and bipolar transistors. It presents to readers the basic information necessary for more advanced processing and design books. Focuses mainly on the basic processes used in fabrication, including lithography, oxidation, diffusion, ion implementation, and thin film deposition. Covers interconnection technology, packaging, and yield. Appropriate for readers interested in the area of fabrication of solid state devices and integrated circuits.

Book Information

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Customer Reviews

It is an excellent book for beginners who need a good understanding of the basic unit processes associated with a standard microelectronic foundry. It gives a quick reference to almost everything in modern processing and refers to a variety of textbooks and journals for further information. In summary, this is the book you must have if you are in the semiconductor profession and require a quick but useful reference to almost everything in the business.

A really helpful text. I cracked open this book not knowing a thing about MEMS and was able to follow the majority of the discussions. There are couple of practice problems in the text, but probably not enough to use it as sole preparation for an exam. This was mainly used as a reference text for

my Introduction to MEMS course, but it could give quite a lot of insight on its own. Some of the methods are a little older, but many of them are still in practice.

Book is seriously lacking required information to solve the examples let alone the problems. For example chapter six's first example is 6.2. What happened to 6.1? The equation for mean free path (6.6), what is p ? Is it the same as P in equation (6.5)? Who knows since there is no example or explanation. Attempting to get the same results in the text become time consuming and frustrating because all the required information is absent. The book is lacking detail. Avoid it at all possible costs. Hey anyone out there thinking they can write a better book than this go for it. This one needs to be put off the marketplace.

This book is for my current Chemical Engineering Semiconductor lab. It is very clear and concise which is nice. I rather have a thin, well written book, than a dense and over-informative text. I would highly recommend it for after semiconductor fabrication coursework.

bought this book as a second-hand one and was actually quite pleased with the quality. Though it isn't the same feeling as getting a new book, I guess it's enough seeing that I will only need the book for one semester.

Excellent book for intro to fabrication and also for quick reference. Logical flow and good examples; in a field where a text's scale is obsolete by the time it hits the presses, flow and readability really matter.

lots of info, and the content is good, but you definitely need to read it multiple times to understand what's going on.

This book offers a concise and peripheral approach to introductory microelectric fabrication. It covers the essentials that are needed to delve into more intricate and complex fab issues. It is a good starting material for me, even though I might sometime get lost reading concepts from it only. It is great resource when you have it in company of another fab book. hence complementing each other. Have fun digging this!!!!!!!

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