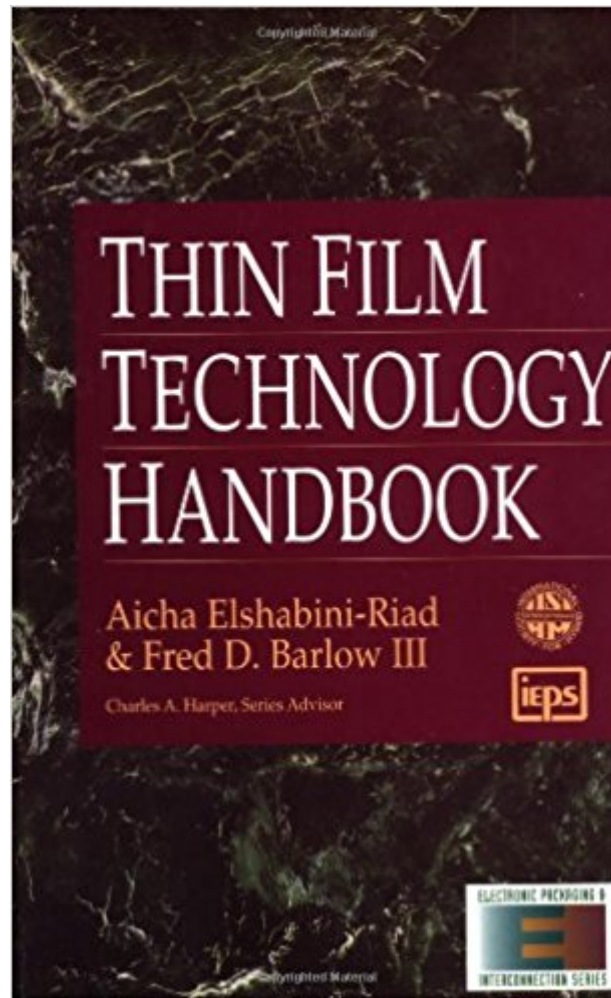


The book was found

Thin Film Technology Handbook



Synopsis

The most comprehensive source available on the preparation, characterization, and emerging applications of thin film. This book features extensive new advances applied in multichip modules (MCMs), and covers the basic principles and applications of thin film deposition techniques for practical use. It provides and develops design guidelines to realize multilayer structures in microcircuits, thus addressing a critical and rapidly growing area.

Book Information

Series: Electronic Packaging and Interconnection Series

Hardcover: 640 pages

Publisher: McGraw-Hill Professional; 1 edition (November 1, 1997)

Language: English

ISBN-10: 0070190259

ISBN-13: 978-0070190252

Product Dimensions: 6.2 x 2 x 9.1 inches

Shipping Weight: 2.9 pounds

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #3,725,884 in Books (See Top 100 in Books) #94 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State](#) #686 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors](#) #923 in [Books > Textbooks > Engineering > Electrical & Electronic Engineering](#)

Customer Reviews

The most complete and current guide anywhere to every facet of thin films. From basic scientific precepts to today's emerging applications, here is the most complete guide to thin film technology available. As practical as it is comprehensive, the Thin Film Technology Handbook provides the kind of authoritative, in-depth coverage that assures its place as the standard in the field--now, and for years to come. Featuring contributions from leading experts, the Handbook spans the full spectrum of important topics, including: deposition techniques and processes, vacuum technology, and generation of patterned films; properties of substrate, conductor, resistive, dielectric, and semiconductor materials and protective coatings; electrical, mechanical, chemical, and thermal properties of thin films; design guidelines for thin film components and multilayer structures in microcircuits; recent advances in diamond films and thin film optical materials; applications involving

hybrid thin film components on ceramic, thin film multilayer modules on silicon or metal, multichip modules, interconnects, and electronic packaging. This compendium of fundamental principles, current knowledge, and cutting-edge research on thin film technology is an invaluable reference for engineering professionals, scientists, researchers, and everyone else working in this fast-developing area.

For the basics, I believe Maissel and Glang's Handbook of Thin Film Technology has much more information and goes into much greater detail about basic techniques (vacuum methods, evaporation, sputtering, etc.). In my opinion, this newer handbook can be seen as an addendum to the above 1970-era work. There are nice chapters on thin film optical materials by Angus Macleod and semiconductor thin films by Larry Kazmerski, true experts in these areas. I found the chapter on diamond films interesting also. Most chapters have more of a survey than an in-depth feel. Not to nit-pick, but as an example, when counting sheet resistance squares in the design of a meander-type resistor, this book reports a corner square as 0.5 when it is actually 0.559, and while a 10% error is not such a big deal for back-of-the envelope estimation, most thin film resistors are used in precision circuits where such error levels are important. Overall, although pricey, I think it is a nice addition to your library if you deal with thin films often. However, I would spend money to get a used copy of Thin Film Technology by Berry Hall and Harris or the above work by Maissel and Glang first.

[Download to continue reading...](#)

Thin Film Technology Handbook Eat Fat, Get Thin Fast!: Eat Fat and Get Thin with the best healthy high fat recipes; Complete pictures, nutrition facts, and serving sizes for every single recipe! Summary - Eat Fat Get Thin: By Mark Hyman - Why the Fat We Eat Is the Key to Sustained Weight Loss... (Eat Fat, Get Thin: A Complete Summary - Book, Paperback, Audiobook, Audible, Hardcover,) ACI 318.2-14: Building Code Requirements for Concrete Thin Shells (ACI 318.2-14) and Commentary on Building Code Requirements for Concrete Thin Shells (ACI 318.2R-14) The Thin Book of Appreciative Inquiry (3rd Edition) (Thin Book Series) The Film Encyclopedia 7th Edition: The Complete Guide to Film and the Film Industry Sputtering Materials for VLSI and Thin Film Devices Thin-Film Optical Filters, Fourth Edition (Series in Optics and Optoelectronics) Thin Film Processes Thin Film Materials: Stress, Defect Formation and Surface Evolution Thin-Film Optical Filters, Third Edition (Series in Optics and Optoelectronics) The Complete Film Production Handbook (American Film Market Presents) The Producer's Business Handbook: The Roadmap for the Balanced Film Producer (American Film Market Presents) Blockchain: Step By Step Guide To

Understanding The Blockchain Revolution And The Technology Behind It (Information Technology, Blockchain For Beginners,Bitcoin, Blockchain Technology) Fintech: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, ... technology,equity crowdfunding) (Volume 1) FINTECH: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, Financial services technology,equity crowdfunding) Optical Thin Films: User's Handbook (Macmillan Series in Optical and Electro-Optical Engineering) Handbook of Thin-Layer Chromatography (Chromatographic Science Series) Queer Images: A History of Gay and Lesbian Film in America (Genre and Beyond: A Film Studies Series) Film Is Not Dead: A Digital Photographer's Guide to Shooting Film (Voices That Matter)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)