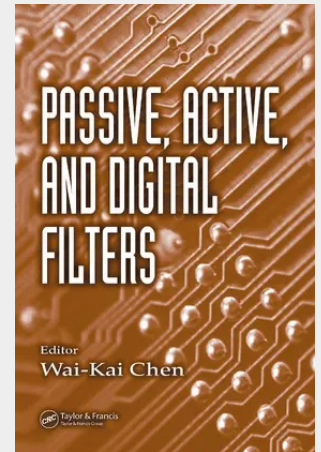


Passive, Active, and Digital Filters

Culled from the pages of CRC's highly successful, best-selling The Circuits and Filters Handbook, Second Edition, Passive, Active, and Digital Filters presents a sharply focused, comprehensive review of the fundamental theory behind professional applications of these complex filters. It supplies a concise, convenient reference to the key concepts, models, and equations necessary to analyze, design, and predict the behavior of large-scale systems that employ various types of filters, illustrated by frequent examples. Edited by a distinguished authority, this book emphasizes the theoretical concepts underlying the processes, behavior, and operation of these filters. More than 470 figures and tables illustrate the concepts, and where necessary, the theories, principles, and mathematics of some subjects are reviewed. Expert contributors discuss general characteristics of filters, frequency transformations, sensitivity and selectivity, low-gain active filters, higher-order filters, continuous-time integrated filters, FIR and IIR filters, and VLSI implementation of digital filters, among many other topics. Passive, Active, and Digital Filters builds a strong theoretical foundation for the design and analysis of a variety of filters, from passive to active to digital, while serving as a handy reference for experienced engineers, making it a must-have for both beginners and seasoned experts.

**163,50 €**

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