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5. Highpass Filters; Passive Filters; Formulae for Passive Highpass Filter Denormalization; Highpass Filters with Transmission Zeroes; Active Highpass Filters; First-Order Filter Section; Sallen and Key Highpass Filter; Using Lowpass Pole to Find Component Values; Using Highpass Poles to Find Component Values; Operational Amplifier Requirements; Denormalizing Sallen and Key or First-Order Designs; State Variable Highpass Filters; Cauer and Inverse Chebyshev Active Filters Denormalizing State Variable or Biquad DesignsGyrator Filters; Reference; Exercises; Chapter 6. Bandpass Filters; Lowpass to Bandpass Transformation; Passive Filters; Formula for Passive Bandpass Filter Denormalization; Passive Cauer and Inverse Chebyshev Bandpass Filters; Active Bandpass Filters; Bandpass Poles and Zeroes; Bandpass Filter Midband Gain; Multiple Feedback Bandpass Filter; Denormalizing MFBP Active Filter Designs; Dual Amplifier Bandpass (DABP) Filter; Denormalizing DABP Active Filter Designs; State Variable Bandpass Filters; Denormalization of State Variable Design
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Sommario/riassunto

Unlike most books on filters, Analog and Digital Filter Design does not start from a position of mathematical complexity. It is written to show readers how to design effective and working electronic filters. The background information and equations from the first edition have been moved into an appendix to allow easier flow of the text while still providing the information for those who are interested. The addition of questions at the end of each chapter as well as electronic simulation tools has allowed for a more practical, user-friendly text.*Provides a practical design guid