

Audio Power Amplifier Design Handbook 5th



Audio Power Amplifier Design Handbook

This book is a unique collection of detailed information on audio power amplifier design. The Sixth Edition is a major update with many chapters completely re-written, and a wealth of new material, adding more than 50% to the length of the book. Almost every chapter contains brand-new content.

The Audio Power Amplifier Design Handbook

Audio Power Amplifier Design Handbook Third edition Douglas Self MA, MSc Newnes OXFORD AMSTERDAM BOSTON LONDON NEW YORK PARIS SAN DIEGO SAN FRANCISCO SINGAPORE SYDNEY TOKYO

Audio Power Amplifier - KELM

Audio Power Amplifier Design Handbook 2 the gain slope varies with frequency, so that maximum open-loop gain and hence NFB factor is sustained as long as possible as frequency increases; the gain then drops quickly, at 12 dB/octave or more, but flattens out to 6 dB/octave before it reaches the critical unity loop-gain intersection.

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The unexpected result of these investigations is to show that power amplifiers of extraordinarily low distortion can be designed as a matter of routine, without any unwelcome side-effects, as long as a relatively simple design methodology is followed. Audio amplifiers aspire to a zero output impedance across the audio band.

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This is a uniquely detailed guide to the theory and practice of audio power amplifiers, running from the elegantly simple mathematics of the differential pair to the practicalities of bolting down power transistors properly. It includes the first complete explanation of the complex business of power amplifier distortion.

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This book is the essential reference for audio power amplifier designers and engineers. Author Douglas Self covers all the issues of distortion and linearity, power supplies, protection, reliability and layout. He also tackles unusual forms of compensation and unexpected sources of distortion such ...

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His quest for the Blameless Amplifier takes readers through the causes of distortion, measurement techniques, and design solutions to minimise distortion and efficiency. The result is a book that is crammed with unique insights into audio design and performance, as well as complete amplifier designs and schematics.

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