

A Logarithmic Amplifier With Limiter Output 5 Mhz 500 Mhz

Electronics Buyers' Guide
Fourth International Conference on Power Electronics and Variable-Speed Drives, 17-19 July 1990
Hewlett-Packard Journal
Linear Integrated Circuits And Applications
Catalog of Government Patents
Microwave Receivers and Related Components
Microwave Journal
Conference Proceedings, 19th European Microwave Conference 89A
General Purpose Log Counting Rate Meter Model B
Wideband Limiting-summation Logarithmic Video Amplifier Design
Instruments and Experimental Techniques
Microwave Receivers with Electronic Warfare Applications
CQ
The Best of Analog Dialog, 1967-1991
Some Logarithmic Video Amplifier Analysis and Design Techniques
Radio Receiver Design
Precision, Wideband Log Video Amplifier of Large Dynamic Range
Technical note - World Meteorological Organization
Microwave Receivers and Related Components - Electronic Engineering Series
IC Master
Radar anti-jamming techniques
CAS Proceedings
Sperry Engineering Review
Technical note
Radar Handbook
Receiving Systems Design
C-band Doppler velocimeter
Government Reports
Announcements
The Measurement, Instrumentation, and Sensors
Electronics World + Wireless World
Linear Circuit Design Handbook
73 Amateur Radio Today
Method of Obtaining a Log Video Amplifier with a 100db Dynamic Range
Electronic Design
Physics of Radiology
Microwave and Millimeter-wave Heterostructure
Transistors and Their Applications
High-frequency Circuit Engineering
Government Reports
Announcements & Index
European Microwave Conference
Radar Evaluation Handbook

Electronics Buyers' Guide

Fourth International Conference on Power Electronics and Variable-Speed Drives, 17-19 July 1990

Provides a fundamental understanding of current as well as future concepts and techniques essential for systematically defining and manufacturing a receiver that is flexible yet functional in today's world. An excellent introduction to communications and the role of receivers in conveying information.

Hewlett-Packard Journal

Linear Integrated Circuits And Applications

This book enables design engineers to be more effective in designing discrete and integrated circuits by helping them understand the role of analog devices in their circuit design. Analog elements are at the heart of many important functions in both discrete and integrated circuits, but from a design perspective the analog components are often the most difficult to understand. Examples include operational amplifiers, D/A and A/D converters and active filters. Effective circuit design requires a strong understanding of the operation of these analog devices

and how they affect circuit design. Comprehensive coverage of analog circuit components for the practicing engineer Market-validated design information for all major types of linear circuits Includes practical advice on how to read op amp data sheets and how to choose off-the-shelf op amps Full chapter covering printed circuit board design issues

Catalog of Government Patents

Microwave Receivers and Related Components

Microwave Journal

This is a translation of a successful German text "Hochfrequenztechnik" (published by Expert Verlag), originally based on an advanced professional training course given at the Technical Academy of Esslingen. The book will be of value to students - from senior undergraduates upwards - in electronics specialising in RF/HF, to practising engineers involved in HF work, and will also be of keen interest to the burgeoning amateur RF community. It covers the basic principles of HF semiconductor electronics, through specific examples in circuit development and modern measurement technology, along with consideration of the influence of the computer in switching technology.

Conference Proceedings, 19th European Microwave Conference 89

A General Purpose Log Counting Rate Meter Model B

Wideband Limiting-summation Logarithmic Video Amplifier Design

Instruments and Experimental Techniques

This book describes the steps involved in the evaluation of radar design and performance without complicated math. Easily understood by both engineers and non-technical personnel, it contains a comprehensive discussion of the complex factors involved in the radar design process.

Microwave Receivers with Electronic Warfare Applications

Tells the reader all he ever wanted to know about heterojunction transistors and their applications -- a good set of technical papers that leaves very few unanswered questions. -- Microwave Journal

CQ

The Best of Analog Dialog, 1967-1991

Some Logarithmic Video Amplifier Analysis and Design Techniques

This volume in the Electronic Engineering Series discusses microwave receivers, detectors, frequency synthesizers, and other topics.

Radio Receiver Design

This report describes a video-logarithmic amplifier which has the following overall characteristics: an accuracy of better than + or - 1 db when compared to a true logarithmic response; the capability to match to an HP-423A detector so that the combination of detector and logarithmic amplifier will produce an output which is the logarithm of the input rf pulse; a dynamic range of at least 90 db when operated from a 50-ohm source; a rise time of less than 0.1 musec. In addition, it is completely solid state with 13 transistors, 3 high-speed diodes, and 7 Zener regulator diodes. The basic design technique, circuit details, measurement data, and alignment procedure are presented. (Author).

Precision, Wideband Log Video Amplifier of Large Dynamic Range

Technical note - World Meteorological Organization

Microwave Receivers and Related Components - Electronic Engineering Series

Provides a comprehensive introduction to microwave receivers stressing both the general characteristics of microwave devices and the uses of particular systems. Covers receiver definition and performance and discusses the important area of receiver systems. Emphasizes the necessity of designing microwave receiver systems to receive hostile communications during electronic warfare. Material has been collected from technical articles, specialists in the field, and the author's own experience. Written at a level appropriate for advanced undergraduates and first-year graduate students.

IC Master

Radar anti-jamming techniques

CAS Proceedings

Sperry Engineering Review

Technical note

Radar Handbook

Receiving Systems Design

C-band Doppler velocimeter

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The Measurement, Instrumentation, and Sensors

Electronics World + Wireless World

Differential Amplifiers Analysis of differential amplifier, common mode and differential mode gains, transfer characteristics, CMRR, I/P and O/P impedances, high performance amplifiers using current source bias and current mirror connection. Drift Problem Thermal drift, input error signals and their compensation in differential amplifier. Operational Amplifier Ideal op-amp characteristics, cascading of differential amplifier. I/P, O/P stages and level translators, multistage op-amps, frequency response and stability. Frequency and phase compensation techniques. Some commercial op-amp parameters, features (IC 741, MC 1530). Op-amp Applications Inverting and non-inverting, differential and bridge amplifiers, summer, integrator, differentiator. V to I and I to V converters, op-amp feedback limiters using diodes, zener diodes, log and antilog amplifiers, analog multipliers, dividers, sample and hold circuits. Peak detectors, precision rectifiers, instrumentation amplifier, monostable and astable multivibrators, comparators-Schmitt trigger using op-amp. Active Filters First and second order Butterworth filters, design and its response (LP, HP, BP, BE, Narrow band, all pass filters). Timers Basic timer circuit 555 timer used as astable and monostable multivibrator. Data Converters and Data Acquisition System D/A converters, basic D/A converter, weighted binary type, ladder R-2R D/A converters, performance parameters and source of errors. A/D Converters Basic V/F converter, V/T converter, single slope and dual slope converter. A/D converter using D/A converter, counter ramp, continuous counter ramp, successive approximation, flash converter. Communication Amplifications Cascade amplifiers MC1550 for video, RF

and amplitude modulation, AGC application, PLL, brief study of PLL system, applications of PLL for AM, FM detection, FSK decoder, frequency synthesis using commercial PLL (IC 565). Voltage Regulators Analysis and design of series and shunt regulators using DC amplifiers, some commercial voltage regulators (MC 78XX series, IC 723), high current negative voltage with foldback limiting concepts, switching regulators - basic concepts and applications.

Linear Circuit Design Handbook

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Electronic Design

Physics of Radiology

Microwave and Millimeter-wave Heterostructure Transistors and Their Applications

This detailed handbook describes current uses of instruments and techniques for practical measurements, including essential mathematical treatment to discover applications and solve problems. It reflects the tremendous changes and rapid advances in electronic communication, fibre optics and imaging technologies.

High-frequency Circuit Engineering

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