

IC MIXER 500MHZ DWN CONV 20PLCC

Manufacturers	Analog Devices, Inc
Package/Case	20 ld PLCC
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD831AP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

AD831AP is a monolithic logarithmic detector from Analog Devices, which is designed to measure the RF (radio frequency) power level of a signal in a very wide frequency range, from DC to 440 MHz. It provides a DC output voltage that is proportional to the logarithm of the input power level in dBm, with a dynamic range of over 60 dB.

Features

Wide dynamic range: The AD831AP can detect RF signals over a wide range of power levels, from -65 dBm to 0 dBm, with a dynamic range of 60 dB.

High accuracy: The detector has a very low error rate, typically within +/-1 dB over the entire dynamic range.

Fast response time: The response time of the AD831AP is very fast, typically less than 100 ns.

Low power consumption: The detector can operate on a low supply voltage of 5V and consumes very low power, making it suitable for portable or battery-powered applications.

Application

RF power measurement: The AD831AP can be used in various RF power measurement applications, including RF power meters, signal strength indicators, and spectrum analyzers.

AGC circuits: The detector can be used in automatic gain control (AGC) circuits for amplifiers and receivers.

Logarithmic amplifiers: The AD831AP can be used in logarithmic amplifiers for various signal processing applications.

Power control: The detector can be used in power control circuits for RF transmitters.



Related Products



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Analog Devices, Inc
LFCSP24



[ADL5240ACPZ-R7](#)
Analog Devices, Inc
LFCSP-32



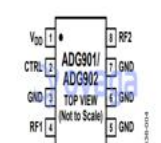
[AD630SD](#)
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HIGH ISOLATION, SP4T, 9KHZ - 12G



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SSOP-20



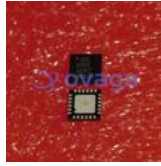
[ADG901BRM](#)
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MSOP-8



[ADL5350ACPZ](#)

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[ADL5201ACPZ-R7](#)

Analog Devices, Inc

LFCSP24