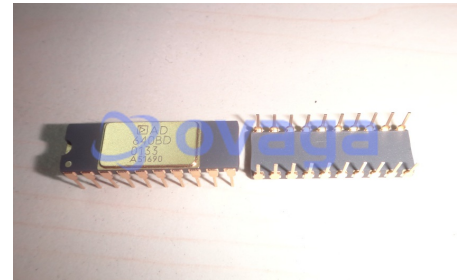


LOGARITHMIC AMPLIFIER IC, Dynamic Range, Decades:-, Scale Factor V / Decade:1, Supply Voltage Range: 4.5V to 7.5V, Input Offset Voltage:50 V

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	CDIP-20
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD640BD or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

AD640BD is a high-speed, low-noise, voltage feedback amplifier manufactured by Analog Devices Inc. It is a part of the AD640 family of amplifiers and is designed for use in a variety of applications including communications, video, and instrumentation.

### Features

**Wide bandwidth:** The AD640BD has a bandwidth of 400 MHz, making it suitable for high-speed applications.

**Low noise:** The amplifier has a low noise level of 3.8 nV/√Hz, making it suitable for sensitive applications.

**Low distortion:** The AD640BD has low distortion, which makes it suitable for use in video and communications applications.

**High input impedance:** The amplifier has a high input impedance of 10 kΩ, which makes it suitable for use in applications where a high input impedance is required.

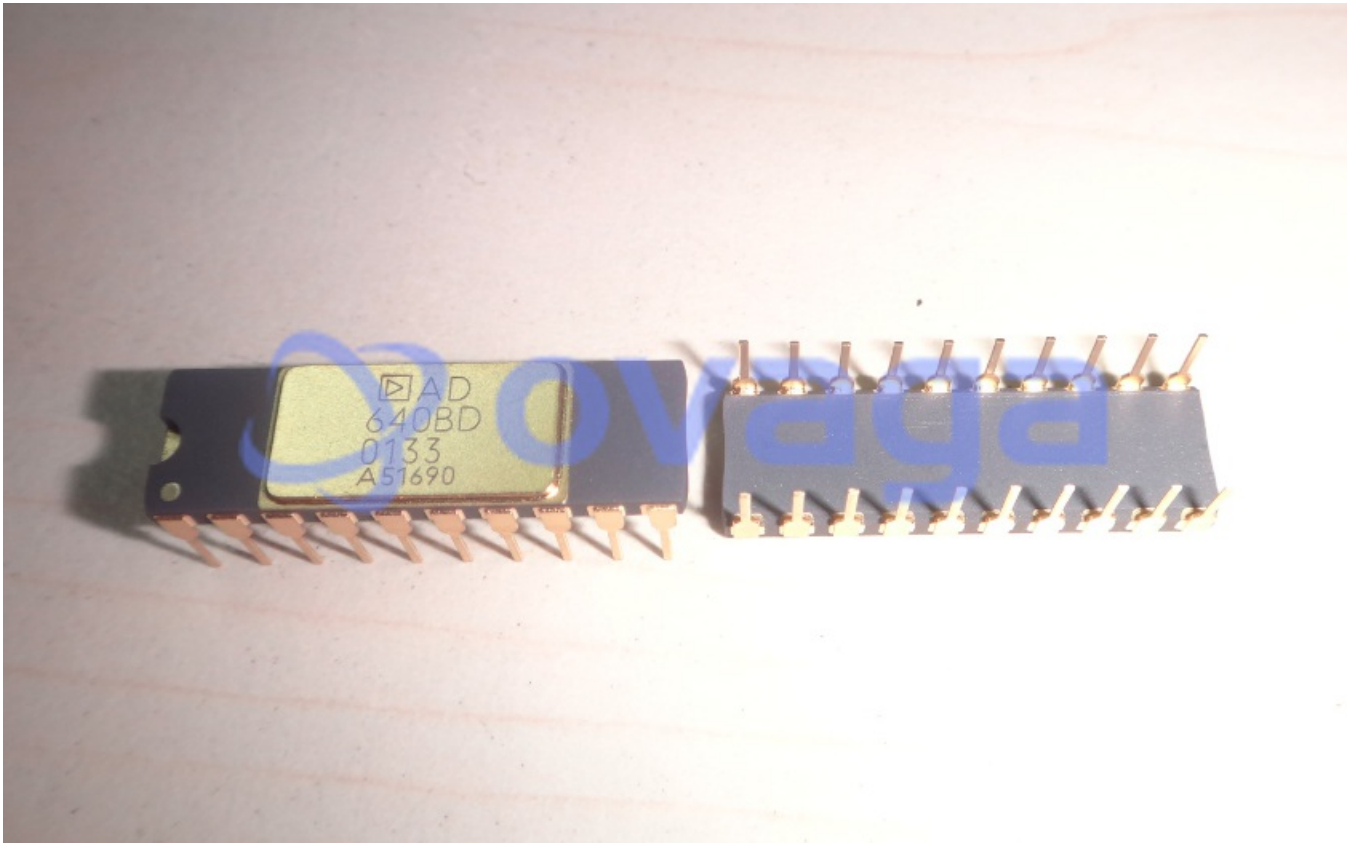
**Low power consumption:** The AD640BD has a low power consumption of 3.5 mA, making it suitable for use in battery-powered applications.

### Application

**Communications:** The AD640BD can be used in high-frequency communications circuits such as receivers and transmitters.

**Video:** The amplifier can be used in video applications such as video distribution, video cameras, and video recorders.

**Instrumentation:** The AD640BD can be used in instrumentation applications such as oscilloscopes, spectrum analyzers, and signal generators.

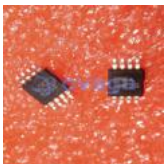


## Related Products



### [AD8418BRMZ-RL](#)

Analog Devices, Inc  
MSOP-8



### [ADA4084-2ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [AD8567ARUZ](#)

Analog Devices, Inc  
TSSOP-14



### [AD8022ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [ADA4528-2ARMZ-R7](#)

Analog Devices, Inc  
MSOP-8



### [AD8062ARMZ](#)

Analog Devices, Inc  
MSOP8



### [AD8628AUJZ](#)

Analog Devices, Inc  
SOP23



### [AD8041AR](#)

Analog Devices, Inc  
SOP-8