

Voltage Reference Series - Programmable, 2.5V, 5V, 7.5V, 10V reference, 20ppm°C, TO-99-8

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TO-99
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD584TH/883B or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Laser wafer trimming (LWT) is used to adjust the pin programmable output levels and temperature coefficients, resulting in the most flexible high precision voltage reference available in monolithic form.

In addition to the programmable output voltages, the AD584 offers a unique strobe terminal that permits the device to be turned on or off. When the AD584 is used as a power supply reference, the supply can be switched off with a single, low power signal. In the off state, the current drained by the AD584 is reduced to approximately 100  $\mu$ A. In the on state, the total supply current is typically 750  $\mu$ A, including the output buffer amplifier.

The AD584 is recommended for use as a reference for 8-, 10-, or 12-bit digital-to-analog converters (DACs) that require an external precision reference. In addition, the device is ideal for analog-to-digital converters (ADCs) of up to 14-bit accuracy, either successive approximation or integrating designs, and in general, it can offer better performance than that provided by standard self-contained references.

The AD584J and AD584K are specified for operation from 0°C to +70°C, and the AD584S and AD584T are specified for the -55°C to +125°C range. All grades are packaged in a hermetically sealed, eight-terminal TO-99 metal can, and the AD584J and AD584K are also available in an 8-lead PDIP.

## Features

Four Programmable Output Voltages: 10.000 V, 7.500 V, 5.000 V, 2.500 V

Laser Trimmed to High Accuracies

No External Components Required

Trimmed Temperature Coefficient: 15 ppm/°C Max, 0°C to 70°C (AD584K) 15 ppm/°C Max, -55°C to +125°C (AD584T)

Zero Output Strobe Terminal Provided

Two Terminal Negative Reference

Capability (5 V and above)

Output Sources or Sinks Current

Low Quiescent Current: 1.0 mA Max

10 mA Current Output Capability

MIL-STD-883 Compliant Versions Available





**Related Products**



[ADP3336ARMZ-REEL7](#)

Analog Devices, Inc  
MSOP-8



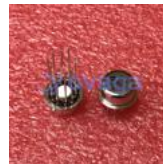
[AD737JRZ](#)

Analog Devices, Inc  
SOP-8



[ADP3367ARZ](#)

Analog Devices, Inc  
SOIC-8



[AD636JH](#)

Analog Devices, Inc  
TO-100-10



[ADP3330ARTZ3.3-RL7](#)

Analog Devices, Inc  
SOT-23-6



[ADR434BRZ](#)

Analog Devices, Inc  
SOIC-8



[ADR421ARZ](#)

Analog Devices, Inc  
SOP-8



[ADR3412ARJZ-R7](#)

Analog Devices, Inc  
SOT-23-6