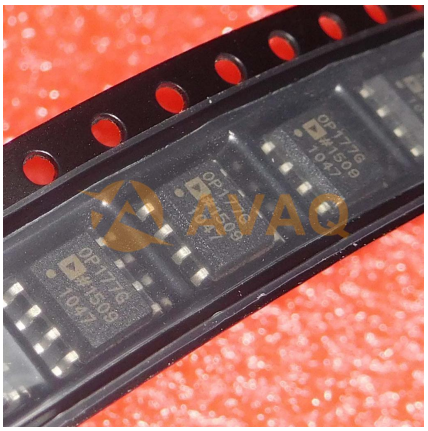
OP177GSZ

Op Amp Single Precision Amplifier ±18V 8-Pin SOIC N Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	SOP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The OP177 features one of the highest precision performance ofany operational amplifier currently available. Offset voltage of theOP177 is only 25 µV maximum at room temperature. The ultralowVOS of the OP177 combines with the exceptional offset voltagedrift (TCVOS) of 0.3 µV/°C maximum to eliminate the need forexternal VOS adjustment and increases system accuracy overtemperature.

The OP177 open-loop gain of 12 V/µV is maintained over the full±10 V output range. CMRR of 130 dB minimum, PSRR of 120 dBminimum, and maximum supply current of 2 mA are just a fewexamples of the excellent performance of this operational amplifier.The combination of outstanding specifications of the OP177ensures accurate performance in high closed-loop gainapplications.

This low noise, bipolar input operational amplifier is also a costeffective alternative to chopper-stabilized amplifiers. The OP177provides chopper-type performance without the usual problemsof high noise, low frequency chopper spikes, large physical size,limited common-mode input voltage range, and bulky externalstorage capacitors.

The OP177 is offered in the −40°C to +85°C extended industrialtemperature ranges. This product is available in 8-lead PDIP, aswell as the space saving 8-lead SOIC.

Key Features

Ultralow offset voltage (TA = 25°C, 25µV maximum)

Outstanding offset voltage drift 0.3µV/°C maximum

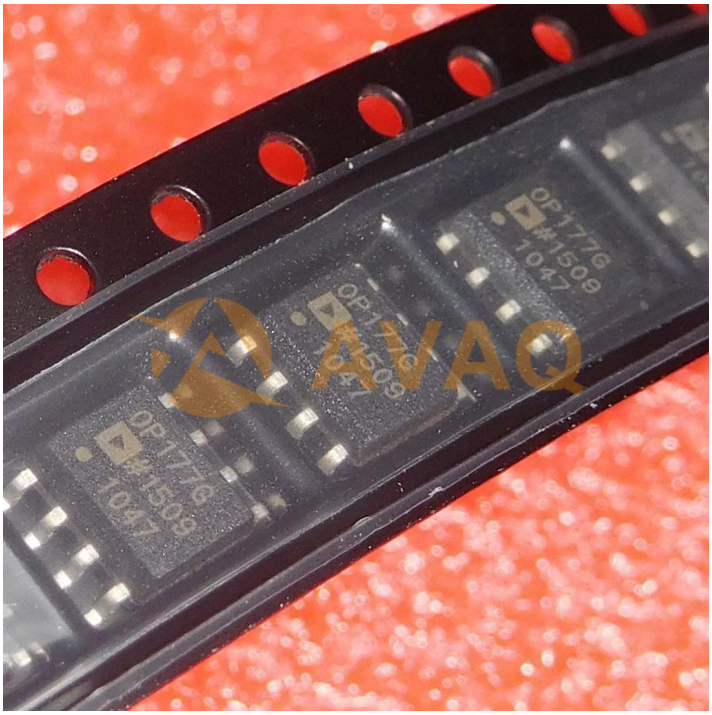
Excellent open-loop gain and gain linearity (12V/µV typical)

130dB Minimum CMRR

115dB Minimum PSRR

Low supply current (2.0mA maximum)

Fits industry-standard precision op amp sockets



Recommended For You

OP284ESZ

Analog Devices, Inc

SOP8

OP90GSZ

Analog Devices, Inc

SOP8

OP37GSZ

Analog Devices, Inc

SOP8

OP27GPZ

Analog Devices, Inc

DIP8

OP06EZ

Analog Devices, Inc

CDIP8

OP06BJ

Analog Devices, Inc

CAN

OP06GZ

Analog Devices, Inc

CDIP8

OP06FJ

Analog Devices, Inc

CAN

OP06AJ

Analog Devices, Inc

CAN8

OP06FZ

Analog Devices, Inc

CDIP8

AD8309ARUZ

Analog Devices, Inc

TSSOP16

AD524BDZ

Analog Devices, Inc

CDIP-16

AMP02FPZ

Analog Devices, Inc

DIP8

AD8221BR

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