

ON SEMICONDUCTOR LM324NG Operational Amplifier, Quad, 4 Amplifier, 1MHz, 0.6V/ μ s, 3V to 32V, DIP, 14Pins

Manufacturers	ON Semiconductor, LLC
Package/Case	PDIP-14
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LM324NG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

These devices consist of four independent high-gain frequency-compensated operational amplifiers that are designed specifically to operate from a single supply or split supply over a wide range of voltages.

Features

2-kV ESD Protection for:

LM224K, LM224KA

LM324K, LM324KA

LM2902K, LM2902KV, LM2902KAV

Wide Supply Ranges

Single Supply: 3 V to 32 V

Dual Supplies: ± 1.5 V to ± 16 V

Low Supply-Current Drain Independent of

Supply Voltage: 0.8 mA Typical

Common-Mode Input Voltage Range Includes

Ground, Allowing Direct Sensing Near Ground

Application

ONSEMI

Low Input Bias and Offset Parameters

Input Offset Voltage: 3 mV Typical

A Versions: 2 mV Typical

Input Offset Current: 2 nA Typical

Input Bias Current: 20 nA Typical

A Versions: 15 nA Typical

Differential Input Voltage Range Equal to

Maximum-Rated Supply Voltage:

32 V (26 V for LM2902)

Open-Loop Differential Voltage Amplification:

100 V/mV Typical

Internal Frequency Compensation

On Products Compliant to MIL-PRF-38535,

All Parameters are Tested Unless Otherwise

Noted. On All Other Products, Production

Processing Does Not Necessarily Include Testing

of All Parameters.

Related Products



[LM324ADG](#)

ON Semiconductor, LLC
SOIC-14



[LM321SN3T1G](#)

ON Semiconductor, LLC
SOT23-5



[LM2904VDR2G](#)

ON Semiconductor, LLC
SOIC-8



[LM224DR2G](#)

ON Semiconductor, LLC
SOIC-14



[LM2904VDG](#)

ON Semiconductor, LLC
SOIC-8



[LM2904DMR2](#)

ON Semiconductor, LLC
MSOP-8



[LM833NG](#)

ON Semiconductor, LLC
8-PDIP



[LM358NG](#)

ON Semiconductor, LLC
PDIP-8