

Operational Amplifier, Rail-to-Rail I/O, 2 Amplifier, 14 kHz, 3 V/ms, 1.4V to 6V, NSOIC, 8 Pins

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MCP6042T-I/SN or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MCP6042 dual operational amplifier (op amp) has a gain bandwidth product of 14 kHz with a low typical operating current of 600 nA and an offset voltage that is less than 3 mV. The MCP6042 uses Microchip's advanced CMOS technology, which provides low bias current, high-speed operation, high open-loop gain and rail-to-rail output swing. The MCP6042 operates with a single supply voltage that can be as low as 1.4V, while drawing less than 1.0 of quiescent current per amplifier. The MCP6042 is available in standard 8-lead PDIP, SOIC and MSOP packages. This amplifier is ideal for industrial process control, low-power battery-operated devices, portable equipment and wearable products.

## Features

Low Quiescent Current: 600 nA/amplifier (typical)

Rail-to-Rail Input/Output

Gain Bandwidth Product: 14 kHz (typical)

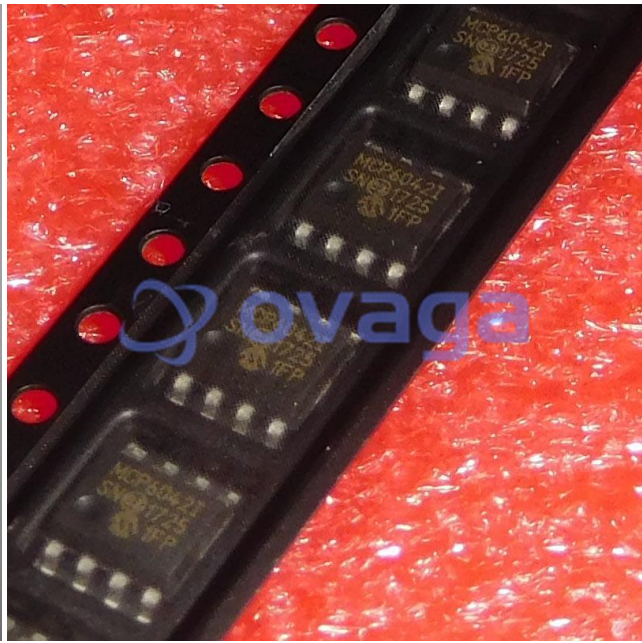
Wide Supply Voltage Range: 1.4V to 6.0V

Unity Gain Stable

Available in Single, Dual, and Quad

Chip Select (CS) with MCP6043

Available in SOIC and MSOP packages



### Related Products



#### [MCP6S28-I/SL](#)

Microchip Technology, Inc  
SOIC-16



#### [MCP6V11T-E/OT](#)

Microchip Technology, Inc  
SOT-23-5



#### [MCP6024-I/SL](#)

Microchip Technology, Inc  
SOIC-14



#### [MCP604-E/SL](#)

Microchip Technology, Inc  
SOIC-14



#### [MCP6V31T-E/OT](#)

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SOT-23-5



#### [MCP6L01T-E/OT](#)

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SOT-23-5



#### [MCP6022-I/SN](#)

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#### [MCP602T-I/SN](#)

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