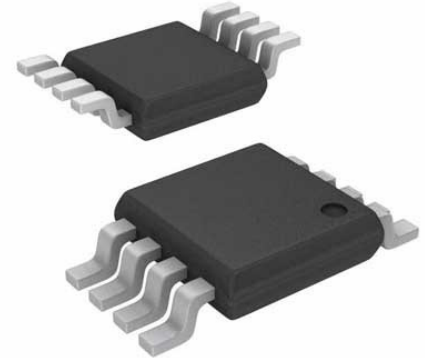


Analog 1.4v 1A Dual or QUAD, OP AMP, -40C to +85C, 8-MSOP, T/R,Op Amps Dual  
1.6V 10KHz



Images are for reference only

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

Please submit RFQ for MCP6042T-I/MS 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](#)

Microchip Technology, Inc  
SOT-23-5



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

Microchip Technology, Inc  
SOT-23-5



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

Microchip Technology, Inc  
SOIC-8



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

Microchip Technology, Inc  
SOIC-8