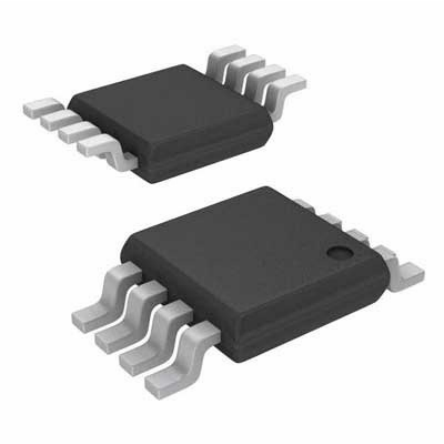
MCP6282-E/MS

Data Sheet

2.2-5.5V 5MHZ, IQ/BW selectable, Dual, Low Power OP Amp, -40C to +125C, 8-MSOP, TUBE

Manufacturers	Microchip Technology, Inc
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP6282-E/MS or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The Microchip Technology Inc. MCP6281/1R/2/3/4/5 family of operational amplifiers (op amps) provide wide bandwidth for the current. This family has a 5 MHz Gain Bandwidth Product (GBWP) and a 65° phase margin. This family also operates from a single supply voltage as low as 2.2V, while drawing 450 µA (typical) quiescent current. Additionally, the MCP6281/1R/2/3/4/5 supports rail-to-rail input and output swing, with a common mode input voltage range of VDD + 300mV to VSS – 300 mV. This family of operational amplifiers is designed with Microchip's advanced CMOS process. The MCP6285 has a Chip Select (CS) input for dual op amps in an 8-pin package. This device is manufactured by cascading the two op amps (the output of op amp A connected to the non-inverting input of op amp B). The CS input puts the device in Low-power mode. The MCP6281/1R/2/3/4/5 family operates over the Extended Temperature Range of -40°C to +125°C. It also has a power supply range of 2.2V to 6.0V.

Features

Input Offset Voltage: ±3 mV (max)

Quiescent Current: 445 µA (typical)

Common Mode Rejection Ratio: 65 dB (typical)

Power Supply Rejection Ratio: 70 dB (typical)

Rail-to-Rail Input/Output

Supply Voltage Range: 2.2V to 6V

Gain Bandwidth Product: 5 MHz (typical)

Slew Rate: 2.5V/µs (typical)

Unity Gain Stable

Extended Temperature Range: -40°C to +125°C

Related Products

MCP6S28-I/SL

Microchip Technology, Inc

SOIC-16

MCP6V31T-E/OT

Microchip Technology, Inc

SOT-23-5

MCP6V11T-E/OT

Microchip Technology, Inc

SOT-23-5

MCP6L01T-E/OT

Microchip Technology, Inc

SOT-23-5

MCP6024-I/SL

Microchip Technology, Inc

SOIC-14

MCP6022-I/SN

Microchip Technology, Inc

SOIC-8

MCP604-E/SL

Microchip Technology, Inc

SOIC-14

MCP602T-I/SN

Microchip Technology, Inc

SOIC-8