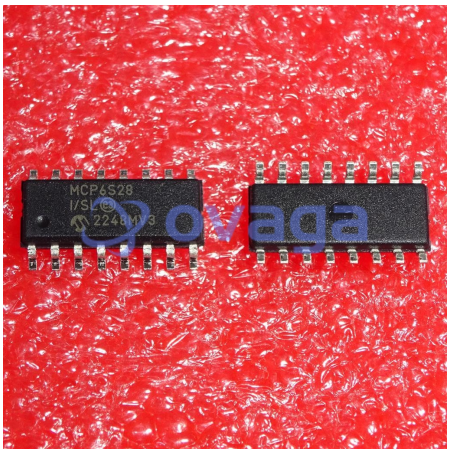
MCP6S28-I/SL

Data Sheet

SINGLE ENDED, RAIL TO RAIL I/O, -40C to +85C, 16-SOIC 150mil, TUBE,Special Purpose Amplifiers 8-Chan. 12 MHz SPI

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-16
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP6S28-I/SL or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The MCP6S21, MCP6S22, MCP6S26, and MCP6S28 Programmable Gain Amplifiers offer 1, 2, 6 or 8 input channels respectively and eight steps of gain. These devices are programmable over an SPI bus and thus add gain control and input channel selection to the embedded control system. This is all achieved in one simple integration that allows for considerable greater bandwidth at a low supply current.

Features

SPI Bus to Control Gain and Select Input Channel

Gain Steps of 1, 2, 4, 5, 8, 10, 16 and 32 V/V

VOS < 150 µV

Gain Error < 1%

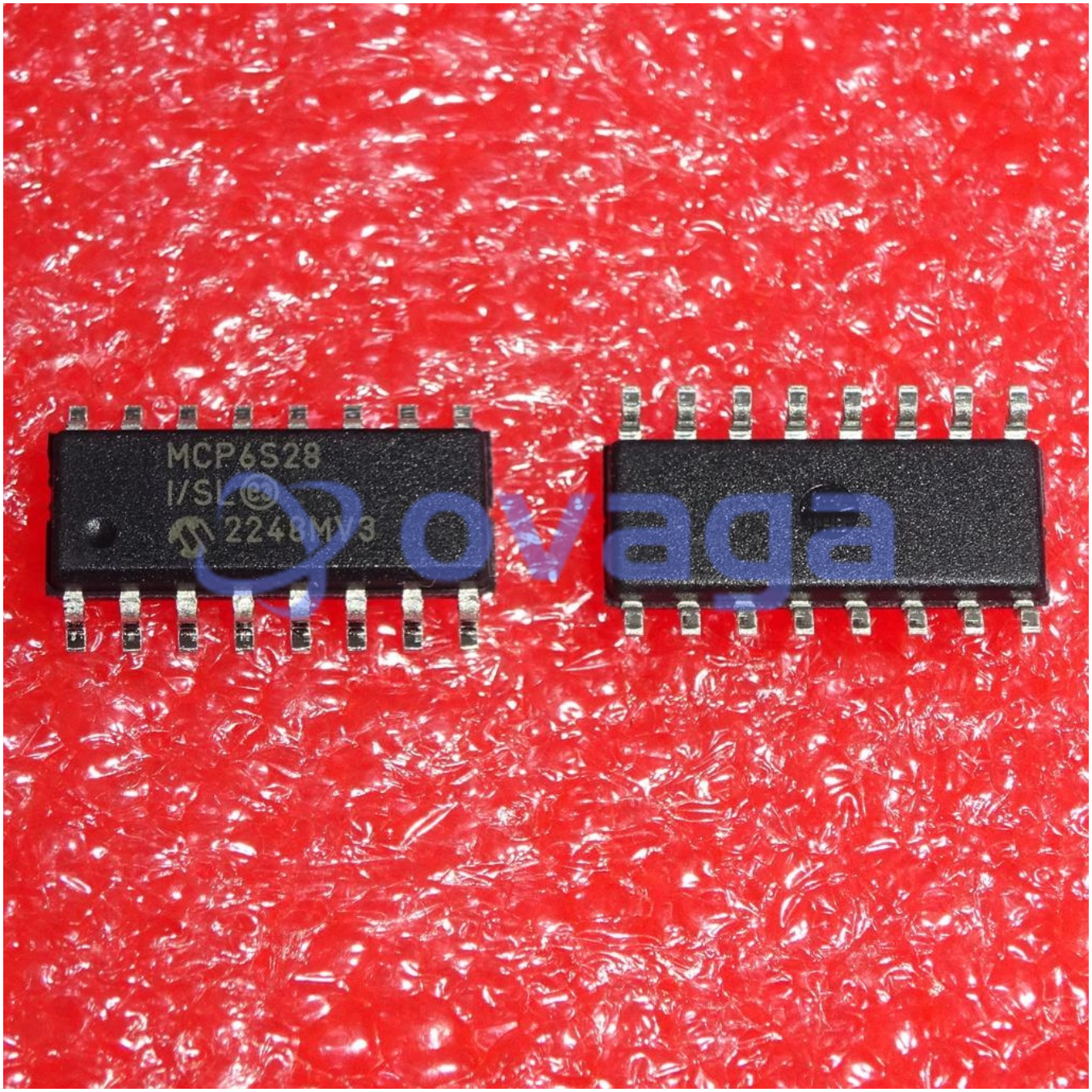
Rail-to-Rail Input and Output

Low Noise: 10 nV/rHz

Low Supply Current: 1.1 mA (typical)

Single Supply 2.5V to 5.5V

Industrial Temperature Range: -40°C to 85°C



Related Products

[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]

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SOIC-8

[MCP604-E/SL]

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[MCP602T-I/SN]

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Microchip Technology, Inc

SOIC-14