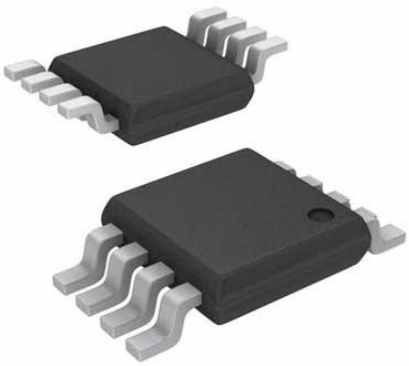
MCP6292-E/MS

Data Sheet

Operational Amplifier, Dual, 2 Amplifier, 10 MHz, 7 V/µs, 2.4V to 6V, MSOP, 8 Pins

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



Images are for reference only

Please submit RFQ for MCP6292-E/MS or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The MCP6291 (single), MCP6292 (dual), and MCP6294 (quad) devices comprise a family ofgeneral-purpose, low-power operational amplifiers. Features such as rail-to-rail input and outputswings, low quiescent current (600-µA/ch typical) combined with a wide bandwidth of 10 MHz, and lownoise (8.7 nV/√Hz at 10 kHz) make this family attractive for a variety of applications that requirea balance between cost and performance. The low input bias current enables the family to be used inapplications with high-source impedances.

The robust design of the MCP629x provides ease-of-use to the circuit designer: aunity-gain stable, integrated RFI and EMI rejection filter, no phase reversal in overdrivecondition, and high electrostatic discharge (ESD) protection (4-kV HBM).

The MCP629x family operates over the extended temperature range of –40°C to 125°C. Thefamily has a power supply range of2.4 V to 5.5 V.

Features

Gain bandwidth product: 10-MHz typical

Operating supply voltage: 2.4 V to 5.5 V

Rail-to-railinput/output

Low input bias current: 1pA

Inputvoltage noise: 8.7 nV/√Hz at>

Internal RF and EMIfilter

Extended temperature range: –40°C to125°C

Unity-gain stable

Easier tostabilize with higher capacitive load due to resistive open-loop output impedance

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