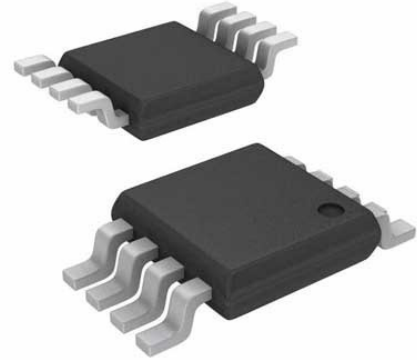


12-Bit DAC with SPI® Interface, Counter Shift Registers Sgl 12-bit SPI int

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



Images are for reference only

Please submit RFQ for MCP4921-E/MS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MCP4921 is a single channel, 12-bit DAC with an external voltage reference and SPI interface. It offers high accuracy and low power consumption and is available in various packages. The MCP4921 device is a part of the MCP4901/MCP4911/MCP4921 product family, which are single channel 8-bit/10-bit/12-bit DACs which use external voltage reference (VREF). These devices provide very high accuracy and low noise performance, and are suitable for consumer and industrial applications, such as set point control, offset adjustment and sensor calibration applications. The low power consumption and small package options make these devices very attractive for many portable and battery-powered applications. If two outputs are needed then the MCP4902/4912/4922 dual channel product family can be used.

Features

12-bit Resolution

Single Channel Voltage Output

2.7V to 5.5V Operation

Operating Current 175 μ A (typ)

External Voltage Reference Pin

INL \pm 2 LSB (typ)

DNL \pm 0.75 LSB (max)

Output Settling Time 4.5 μ s

SPI Interface

8-pin PDIP, SOIC, MSOP and 2x3 DFN packages

Temperature Range -40°C to +125°C

AEC-Q100 Grade 1 qualified

Related Products



[MCP4706A0T-E/CH](#)

Microchip Technology, Inc
SOT-23-6



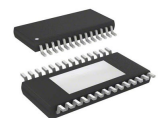
[MCP4922-E/SL](#)

Microchip Technology, Inc
SOIC-14



[MCP4716A0T-E/MAY](#)

Microchip Technology, Inc
DFN-6



[MCP3564RT-E/ST](#)

Microchip Technology, Inc
TSSOP-20



[MCP3903-I/SS](#)

Microchip Technology, Inc
SSOP-28



[MCP48CVB21-E/UN](#)

Microchip Technology, Inc
10-TFSOP, 10-MSOP (0.118, 3.00mm Width)



[MCP4728A1T-E/UN](#)

Microchip Technology, Inc
DFN-10



[MCP3204-CI/ST](#)

Microchip Technology, Inc
TSSOP-14