Digital to Analogue Converter, Dual, 12 bit, SPI, 2.7V to 5.5V, TSSOP, 14 Pins

Manufacturers	Microchip Technology, Inc
Package/Case	TSSOP-14
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	
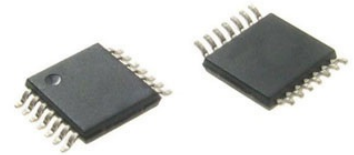
Images are for reference only

Please submit RFQ for MCP4922-E/ST or Email to us: sales@ovaga.com We will contact you in 12 hours.　　RFQ

General Description

MCP4922 is a dual 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 MCP4922 device is a part of the MCP4902/MCP4912/MCP4922 product family, which are dual 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 one output is needed then the MCP4901/4911/4921 single channel product family can be used.

Features

12-bit Resolution

Dual Channel Voltage Output

2.7V to 5.5V Operation

Operating Current 350 μA (typ)

External Voltage Reference Pin

INL ±2 LSB (typ)

DNL ±0.75 LSB (max)

Output Settling Time 4.5 μs

SPI Interface

14-pin PDIP, SOIC, and TSSOP packages

Temperature Range -40°C to +125°C

AEC-Q100 Grade 1 qualified

Related Products
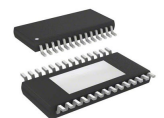

MCP4706A0T-E/CH

Microchip Technology, Inc

SOT-23-6

MCP3903-I/SS

Microchip Technology, Inc

SSOP-28

MCP4922-E/SL

Microchip Technology, Inc

SOIC-14

MCP48CVB21-E/UN

Microchip Technology, Inc

10-TFSOP, 10-MSOP (0.118, 3.00mm Width)

MCP4716A0T-E/MAY

Microchip Technology, Inc

DFN-6

MCP4728A1T-E/UN

Microchip Technology, Inc

DFN-10

MCP3564RT-E/ST

Microchip Technology, Inc

TSSOP-20

MCP3204-CI/ST

Microchip Technology, Inc

TSSOP-14