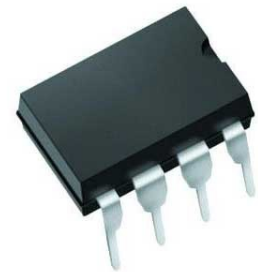


Digital Potentiometer 10kOhm 256POS Volatile Linear 8-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: DIP8

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The MCP41010 is a single-channel, 8-bit digital potentiometer features 10kΩ end-to-end resistance value with an SPI serial interface. The wiper position varies linearly and is controlled via the SPI interface. The MCP41010 has outstanding AC and DC characteristics, and consumes <1 μA during static operation. Applications for the MCP41010 digital potentiometer include audio equipment (volume and tone controls), servo-motor control, battery charging and control, communications (line impedance matching), power supplies, instrumentation (gain, offset adjust), LCD contrast control and programmable filters. The MCP41010 is available in 8-pin PDIP and SOIC packages.

Key Features

256 Taps for each potentiometer

SPI™ Serial interface (mode 0,0 and 1,1)

±1 LSB Maximum INL and DNL

Low power CMOS technology

1μA Maximum supply current in static operation

Multiple devices can be daisy-chained together

Shutdown features open circuits of all resistors for maximum power saving

Recommended For You

MCP41010-I/SN

Microchip Technology, Inc

SOP8

MCP4011-103E/MS

Microchip Technology, Inc

MSOP8

MCP42100-E/ST

Microchip Technology, Inc

TSSOP14

MCP40D18T-103E/LT

Microchip Technology, Inc
SC70-6

MCP4231-103E/P

Microchip Technology, Inc
PDIP14

MCP4151-104E/P

Microchip Technology, Inc
PDIP

MCP4151-103E/P

Microchip Technology, Inc
PDIP

MCP41HV51-502E/ST

Microchip Technology, Inc
TSSOP14

MCP4011-503E/SN

Microchip Technology, Inc
SOP-8

MCP4017T-104E/LT

Microchip Technology, Inc
SC70-6

MCP4151-503E/P

Microchip Technology, Inc
PDIP-8

MCP4151-103E/SN

Microchip Technology, Inc
SOP8

MCP4011-103E/SN

Microchip Technology, Inc
SOP8

MCP42010-I/ST

Microchip Technology, Inc
TSSOP14

MCP4011-202E/SN

Microchip Technology, Inc
SOIC