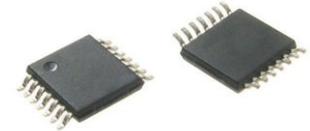


Digital Potentiometer 100kOhm 256POS Volatile 14-Pin TSSOP Tube

| | |
|----------------------|--|
| Manufacturer: | Microchip Technology, Inc |
| Package/Case: | TSSOP14 |
| Product Type: | Data Conversion ICs |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | Active |



Images are for reference only

[Inquiry](#)

General Description

MCP45HV51 is a single-channel, high voltage digital potentiometer (Digipot) family that supports 10V ~36V or +/-5V to +/-18V power rails. It features 8-bit resolution with I2C interface. This family is available in TSSOP-14 and QFN-20 (5x5) packages and has 5kΩ, 10 kΩ, 50 kΩ, and 100 kΩ end-to-end resistance(RAB) options . All parts are guaranteed to operate over -40°C to +125°C extended temperature range. Microchip's MCP41HVX1 and MCP45HVX1 digital potentiometer (Digipot) families offer the widest operating voltage range that is currently available on the market.

Key Features

Wide Operating Voltage:

Resistor Network Resolution

RAB Resistance Options:

5kΩ

10kΩ

50kΩ

100kΩ

I2C Serial Interface

Terminal Disconnect Via:

Serial Interface Inactive Current (1 μA Typical)

500kHz Typical Bandwidth (-3 dB) Operation (5.0 kΩ Device)

Extended Temperature Range (-40°C to +125°C)

Package Types: TSSOP-14 and 5x5 QFN

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

MCP41010-I/P

Microchip Technology, Inc
DIP8

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