

Volatile Digital Potentiometer, 5 kohm, Single, I2C, Linear, $\pm 20\%$, 10 V

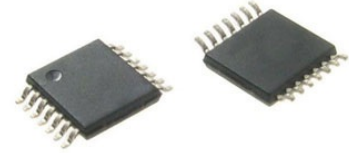
Manufacturers [Microchip Technology, Inc](#)

Package/Case TSSOP-14

Product Type Digital Potentiometer ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MCP45HV51-502E/ST or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

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 5k Ω , 10 k Ω , 50 k Ω , and 100 k Ω end-to-end resistance(RAB) options . All parts are guaranteed to operate over -40°C to $+125^{\circ}\text{C}$ 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.

Features

Wide Operating Voltage:

Resistor Network Resolution

RAB Resistance Options:

5k Ω

10k Ω

50k Ω

100k Ω

I2C Serial Interface

Terminal Disconnect Via:

Serial Interface Inactive Current (1 μ A Typical)

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

Extended Temperature Range (-40 $^{\circ}$ C to +125 $^{\circ}$ C)

Package Types: TSSOP-14 and 5x5 QFN

Related Products



[MCP4352T-104E/ST](#)

Microchip Technology, Inc
TSSOP-14



[MCP4661T-103E/ML](#)

Microchip Technology, Inc
QFN-16



[MCP45HV51-503E/ST](#)

Microchip Technology, Inc
TSSOP-14



[MCP41HV51-104E/ST](#)

Microchip Technology, Inc
TSSOP-14



[MCP41HV51-103E/ST](#)

Microchip Technology, Inc
TSSOP-14



[MCP42100-I/SL](#)

Microchip Technology, Inc
SOIC-14



[MCP4461-103E/ST](#)

Microchip Technology, Inc
TSSOP-20



[MCP4362-503E/ST](#)

Microchip Technology, Inc
TSSOP-14