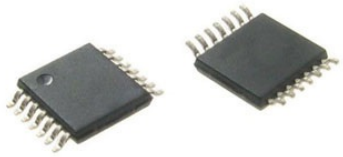
MCP4661-103E/ST

Data Sheet

7/8-Bit Single/Dual I2C Digital POT with Non-Volatile Memory ; 14L TSSOP 4.4mm,Digital Potentiometer ICs Sngl 8B NV I2C POT

Manufacturers	Microchip Technology, Inc
Package/Case	TSSOP-14
Product Type	Digital Potentiometer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP4661-103E/ST or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The MCP466X devices are dual channel, non-volatile, 8-bit (257 wiper steps) digital potentiometers with EEPROM and an I2C compatible interface. The MCP466X family is available with end-to-end resistor values of 5KΩ, 10KΩ, 50kΩ and 100KΩ. These devices offer WiperLock™ Technology which allows the user unlimited reprogramming and locking of the wiper setting. It is useful for equipment that requires factory trimming or recalibration. The MCP466X devices offer a variety of configurations simplifying design while minimizing cost, package size and pin count.

Features

Dual Resistor Network

Potentiometer or Rheostat configuration options

Resistor Network Resolution

8-bit: 256 Resistors (257 Steps)

RAB Resistances options of:

5kΩ

10kΩ

50kΩ

100kΩ

Zero-Scale to Full-Scale Wiper operation

Low Wiper Resistance: 75Ω (typ.)

Low Tempco:

Absolute (Rheostat): 50 ppm typical(0°C to 70°C)

Ratiometric (Potentiometer): 15 ppm typical

I2C™Compatible Serial interface

100 kHz

400 kHz

3.4 MHz

Brown-out reset protection (1.5V typical)

Serial Interface Inactive current (2.5 uA typ.)

High-Voltage Tolerant Digital Inputs: Up to 12.5V

Wide Operating Voltage:

2.7V to 5.5V - Device Characteristics Specified

1.8V to 5.5V - Device Operation

Wide Bandwidth (-3dB) Operation:

2 MHz (typ.) for 5.0 kΩ device

Extended temperature range (-40°C to +125°C)

AEC-Q100 Grade 1 quarlified

Related Products

MCP4352T-104E/ST

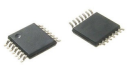
Microchip Technology, Inc

TSSOP-14

MCP4661T-103E/ML

Microchip Technology, Inc

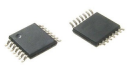
QFN-16



MCP45HV51-503E/ST

Microchip Technology, Inc

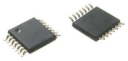
TSSOP-14



MCP45HV51-502E/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