

MCP4666 Series Non Volatile 257 Step 10 kOhm Dual Digital Potentiometer - QFN-16

Manufacturers	Microchip Technology, Inc
Package/Case	QFN-16
Product Type	Digital Potentiometer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP4661T-103E/ML or [Email to us: sales@ovaga.com](mailto: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 5K Ω , 10K Ω , 50k Ω and 100K Ω . 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:

5k Ω

10k Ω

50k Ω

100k Ω

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 qualified



Related Products



[MCP4352T-104E/ST](#)

Microchip Technology, Inc
TSSOP-14



[MCP45HV51-503E/ST](#)

Microchip Technology, Inc
TSSOP-14



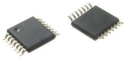
[MCP45HV51-502E/ST](#)

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[MCP41HV51-104E/ST](#)

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[MCP42100-I/SL](#)

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[MCP4461-103E/ST](#)

Microchip Technology, Inc
TSSOP-20



[MCP4362-503E/ST](#)

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