

MCP4017 Series Single 7-Bit 128 Step I2C 50 kOhm Volatile Digital POT - SC-70-6

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SC70-6
Product Type	Digital Potentiometer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP4017T-503E/LT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MCP4017/8/9 devices are volatile, 7-bit (128 wiper steps) digital potentiometers with an I2C™Compatible interface. This family offers 5kΩ, 10kΩ, 50kΩ or 100kΩ end-to-end resistance values and is available in miniature 5 or 6 lead SC-70 packaging with potentiometer or rheostat pinouts.

## Features

Potentiometer or Rheostat configuration options

7-bit: Resistor Network Resolution

127 Resistors (128 Steps)

Zero Scale to Full Scale Wiper operation

RAB Resistances: 5k $\Omega$ , 10k $\Omega$ , 50k $\Omega$  or 100k $\Omega$

Low Wiper Resistance: 100 $\Omega$  (typical)

Low Tempco:

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

Ratiometric (Potentiometer): 15 ppm typical

Simple I2C™Compatible Protocol with read & write commands

Brown-out reset protection (1.5V typical)

Power-on Default Wiper Setting (Mid-scale)

Low-Power Operation: 2.5  $\mu$ A Static Current (typ)

Wide Operating Voltage Range:

2.7V to 5.5V - Device Characteristics Specified

1.8V to 5.5V - Device Operation

## Related Products



### [MCP4352T-104E/ST](#)

Microchip Technology, Inc  
TSSOP-14



### [MCP4661T-103E/ML](#)

Microchip Technology, Inc  
QFN-16



### [MCP45HV51-503E/ST](#)

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### [MCP45HV51-502E/ST](#)

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### [MCP41HV51-104E/ST](#)

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### [MCP41HV51-103E/ST](#)

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