

Volatile Digital Potentiometer, 50 kohm, Single, I2C, Linear, $\pm 20\%$, 1.8 V

Manufacturers	Microchip Technology, Inc
Package/Case	SC70-6
Product Type	Digital Potentiometer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP4018T-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 5k Ω , 10k Ω , 50k Ω or 100k Ω 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 Ω , 10k Ω , 50k Ω or 100k Ω

Low Wiper Resistance: 100 Ω (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 μ 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](#)

Microchip Technology, Inc
TSSOP-14



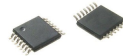
[MCP45HV51-502E/ST](#)

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