Microchip predstavil tento digitálny potenciometer s NV pamäťou, a to v púzdre SC70.

Vlastnosti

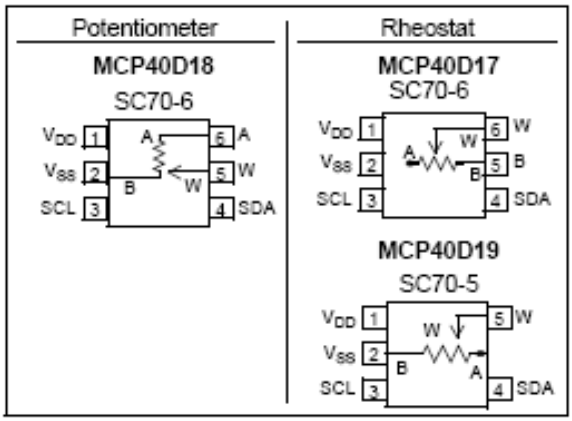
- Potentiometer or Rheostat configuration options

- 7-bit: Resistor Network Resolution
  - 127 Resistors (128 Steps)

- Zero Scale to Full Scale Wiper operation

- RAB Resistances: 5 kΩ, 10 kΩ, 50 kΩ, or 100 kΩ

- Low Wiper Resistance: 100Ω (typical)



- Low Tempco:
  - Absolute (Rheostat): 50 ppm typical (0°C to 70°C)
  - Ratiometric (Potentiometer): 15 ppm typical

- I2C Protocol
  - Supports SMBus 2.0 Write Byte/Word Protocol Formats
  - Supports SMBus 2.0 Read Byte/Word Protocol Formats

- Standard I2C Device Addresses:
  - All devices offered with address “0101110”
  - MCP40D18 also offered with address “0111110”

- Brown-out reset protection (1.5V typical)

- Power-on Default Wiper Setting (Mid-scale)

- Low-Power Operation:
  - 2.5 μA Static Current (typical)

- Wide Operating Voltage Range:
  - 2.7V to 5.5V - Device Characteristics Specified
  - 1.8V to 5.5V - Device Operation

- Wide Bandwidth (-3 dB) Operation:
  - 2 MHz (typical) for 5.0 kΩ device

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

- Very small package (SC70)

- Lead free (Pb-free) package

Datasheet

Cena, dostupnosť

Cena zatial nie je zverejnená.
Vzorky by mali byť dostupné.