

Low Dropout (LDO) Regulators Low Iq 250mA LDO

Manufacturers	Microchip Technology, Inc
Package/Case	SOT-23A-3
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP1701AT-5002I/CB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP1701A is a CMOS low dropout positive voltage regulator with a maximum input voltage of 10V that can source up to 250 mA with a low input to output voltage differential of 380 mV at 200 mA. This low dropout voltage combined with low current consumption of 1.0 μ A typical makes this part ideal for battery operated systems. This part is recommended for applications where the input voltage is between 6.0V and 10.0V. For applications where input voltages are less than 6.0V, Microchip recommends the MCP1700. The MCP1701A is offered in SOT-23-3, SOT-89-3 and TO-92-3 packages.

For product comparison, please consider: MCP1703A

Features

2.0 uA Typical Quiescent Current

Input Operating Voltage up to 10.0V

Low Dropout Voltage - 120 mV (typ) @ 100mA - 380 mV (typ) @ 200mA

High Output Current: 250 mA>

High-Accuracy Output Voltage: 2% (max)

Low Temperature Drifting: 100 ppm/C

Excellent Line Regulation: 0.2%/V

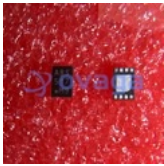
Short Circuit Protection

Standard Output Voltage Options: 1.8V, 2.5V, 3.0V, 3.3V, 5.0V

Package Options: SOT-23A-3, SOT-89-3, TO-92-3



Related Products



[MCP1725-3302E/MC](#)

Microchip Technology, Inc
DFN-8



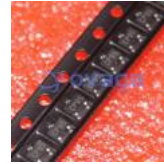
[MCP1702T-2502E/CB](#)

Microchip Technology, Inc
SOT-23A-3



[MCP1702T-5002E/CB](#)

Microchip Technology, Inc
SOT-23



[MCP1700T-2502E/TT](#)

Microchip Technology, Inc
SOT-23-3



[MCP1700T-3002E/TT](#)

Microchip Technology, Inc
SOT-23-3



[MCP73830T-2AAI/MYY](#)

Microchip Technology, Inc
TDFN-6



[MCP1826T-ADJE/DC](#)

Microchip Technology, Inc
SOT-223-5



[MCP1703T-5002E/CB](#)

Microchip Technology, Inc
SOT-23A-3