

250 mA, 16V, Low Quiescent Current, Low Dropout (LDO) Regulators Low Iq 250mA
LDO Vin 16V maxVout 5.0V

Manufacturers	Microchip Technology, Inc
Package/Case	SOT-223-3
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP1703-5002E/DB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP1703A is a CMOS, low dropout voltage regulator with 250 mA maximum output current. MCP1703A works with input voltages up to 16V and with its low 2 μ A current consumption it is an ideal solution for applications using multi-cell, 9V alkaline or one-, two- or three- cell lithium-ion batteries. It is available in space efficient SOT23A and SOT89 packages; or in a thermally capable 3-pin SOT223 and 8-pin 2x3 DFN.

Features

2.0 μ A Quiescent Current (Typical)

Wide Input Operating Voltage Range: 2.7V to 16.0V

Low Dropout Voltage - Typically 750 mV or Less at 250mA Output Current

High 250 mA Output Current for Output >

High Output Voltage Accuracy - 0.4% (Typical)

Output Voltage Range 1.2V to 5.5V in 0.1V Increments (50 mV Increments Available Upon Request)

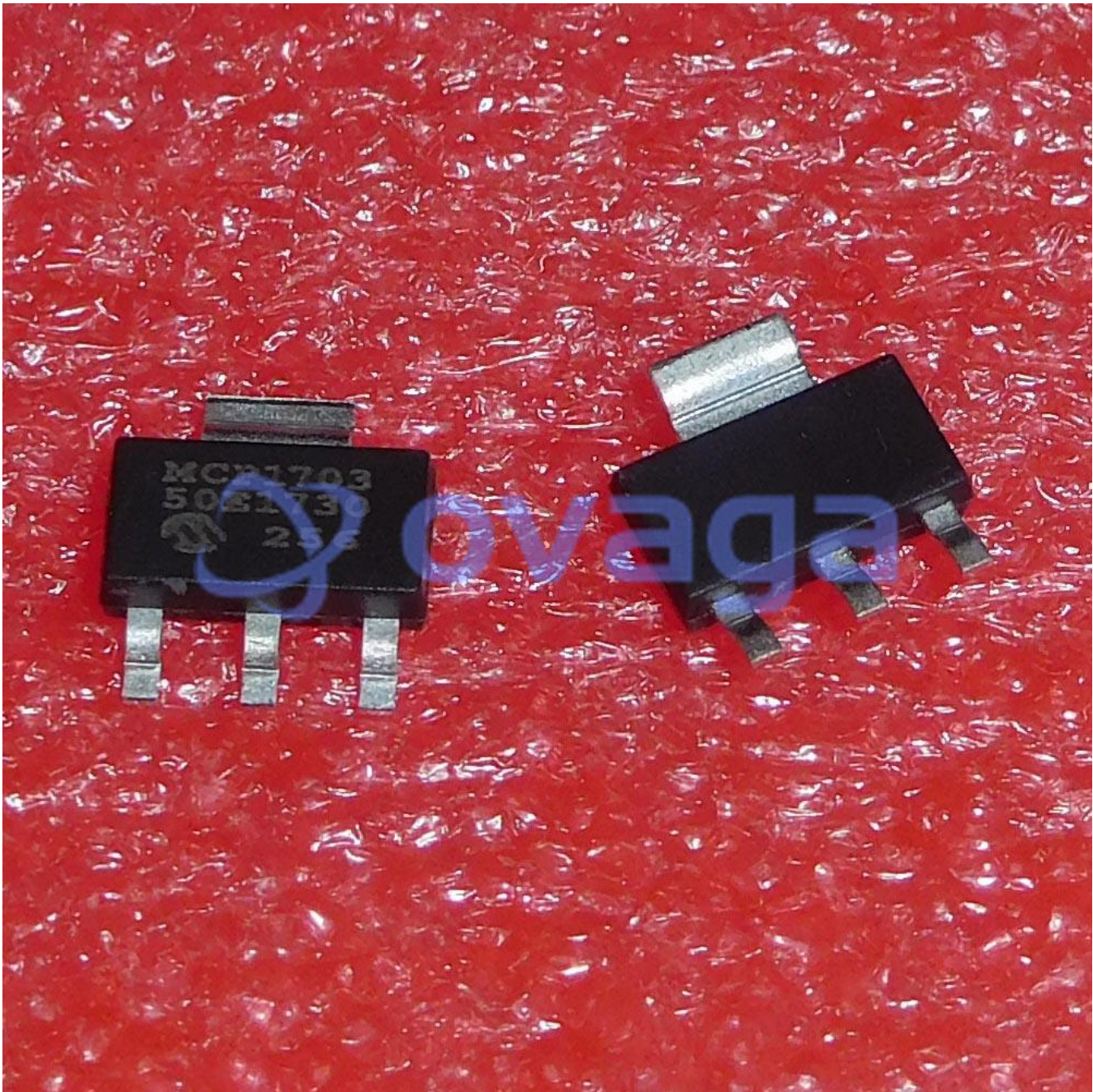
Stable with 1.0 μ F to 22 μ F Output Capacitors

Short-Circuit Protection

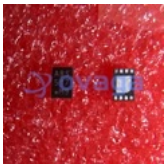
Overtemperature Protection

Reduced Ground Current During Dropout

Multiple Package Options: 3-Pin SOT-23A, 3-Pin SOT-89, 3-Pin TO-92, and 2x3 DFN-8



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



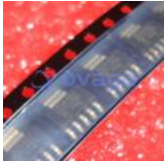
[MCP1700T-3002E/TT](#)

Microchip Technology, Inc
SOT-23-3



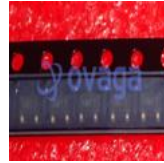
[MCP73830T-2AAI/MYY](#)

Microchip Technology, Inc
TDFN-6



[MCP1826T-ADJE/DC](#)

Microchip Technology, Inc
SOT-223-5



[MCP1703T-5002E/CB](#)

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