

250 mA Low Quiescent Current LDO Regulator, Low Dropout (LDO) Regulators LDO w/ Low Quiescent

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



Images are for reference only

Please submit RFQ for MCP1702T-2502E/CB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP1702 is a CMOS low dropout positive voltage regulator with 250 mA maximum output current. MCP1702 works with input voltage of up to 13.2V and in combination with its low current consumption of 2 μ A is an ideal solution for applications using multi-cell, 9V alkaline or one- or two cell lithium-ion batteries.

Features

2.0 μ A quiescent current (typical)

Wide input operating voltage range: 2.7V to 13.2V

High output current capability

250 mA Output Current for Output >

200 mA Output Current for Output Voltages < 2.5V

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 ceramic, aluminum, or tantalum output capacitors

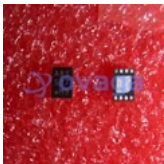
Short-circuit protection

Overtemperature protection

Package options: 3-Pin SOT-23A, 3-Pin SOT-89, TO-92-3



Related Products



[MCP1725-3302E/MC](#)

Microchip Technology, Inc
DFN-8



[MCP1700T-2502E/TT](#)

Microchip Technology, Inc
SOT-23-3



[MCP73830T-2AAI/MYY](#)

Microchip Technology, Inc
TDFN-6



[MCP1702T-5002E/CB](#)

Microchip Technology, Inc
SOT-23



[MCP1700T-3002E/TT](#)

Microchip Technology, Inc
SOT-23-3



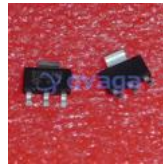
[MCP1826T-ADJE/DC](#)

Microchip Technology, Inc
SOT-223-5



[MCP1703T-5002E/CB](#)

Microchip Technology, Inc
SOT-23A-3



[MCP1703-5002E/DB](#)

Microchip Technology, Inc
SOT-223-3