

## LDO Regulator Pos 5V 0.25A Automotive 3-Pin TO-92 Bag

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** TO-92

**Product Type:** Power Management ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### 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  $\mu$ A is an ideal solution for applications using multi-cell, 9V alkaline or one- or two cell lithium-ion batteries.

### Key Features

2.0  $\mu$ A quiescent current (typical)

Wide input operating voltage range: 2.7V to 13.2V

High output current capability

250 mA Output Current for Output Voltages = 2.5V

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  $\mu$ F to 22  $\mu$ 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

### Recommended For You

**MCP1416T-E/OT**

Microchip Technology, Inc  
SOT23-5

**MCP1825S-1802E/DB**

Microchip Technology, Inc  
SOT-223

**MCP1525T-I/TT**

Microchip Technology, Inc  
SOT23-3

**MCP73831T-2ACI/OT**

Microchip Technology, Inc  
SOT23-5

**MCP1253-ADJI/MS**

Microchip Technology, Inc  
MSOP8

**MCP1700-3302E/TO**

Microchip Technology, Inc  
TO-92

**MCP73832T-2AII/OT**

Microchip Technology, Inc  
SOT23-5

**MCP120-450DI/TO**

Microchip Technology, Inc  
TO-92

**MCP1525-I/TO**

Microchip Technology, Inc  
TO92

**MCP1541T-I/TT**

Microchip Technology, Inc  
SOT23-3

**MCP73831T-2DCI/OT**

Microchip Technology, Inc  
SOT23-5

**MCP16311T-E/MS**

Microchip Technology, Inc  
MSOP8

**MCP16331T-E/CH**

Microchip Technology, Inc  
SOT23-6

**MCP1754ST-5002E/CB**

Microchip Technology, Inc  
SOT-23

**MCP1754ST-3302E/CB**

Microchip Technology, Inc  
SOT-23