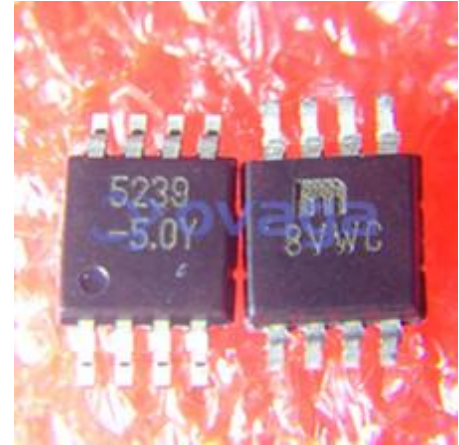


IC REG LDO 5V 0.5A 8MSOP

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	MSOP-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MIC5239-5.0YMM-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MIC5239 is a low quiescent current,  $\mu$ Cap low-dropout regulator. With a maximum operating input voltage of 30V and a quiescent current of 23 $\mu$ A, it is ideal for supplying keep-alive power in systems with high voltage batteries.

Capable of 500mA output, the MIC5239 has a dropout voltage of only 350mV. It can provide high output current for applications such as USB.

As a  $\mu$ Cap LDO, the MIC5239 is stable with either a ceramic or a tantalum output capacitor. It only requires a 3.3 $\mu$ F output capacitor for stability.

The MIC5239 includes a logic-compatible enable input and an undervoltage error flag indicator. Other features of the MIC5239 include thermal shutdown, current limit, overvoltage shutdown, reverse leakage protection, and reverse battery protection.

Available in the thermally enhanced SOIC-8, MSOP-8, and SOT-223 packages, the MIC5239 comes in fixed 3.0V and adjustable voltages.

## Features

Ultra-low quiescent current = 100 $\mu$ A)

Continuous 500mA output current

Wide input range: 2.3V to 30V

Low dropout voltage: 350mV at 500mA

Stable with ceramic or tantalum output capacitor

Logic-compatible enable input

Low output voltage error flag indicator

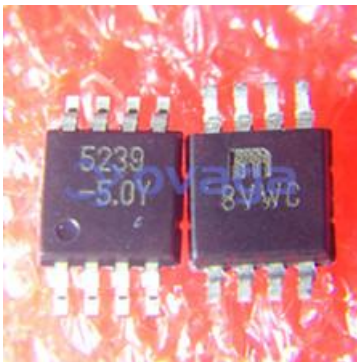
Overcurrent protection

Thermal shutdown

Reverse leakage protection

Reverse battery protection

High power SOIC-8, MSOP-8 and SOT-223 packages



## Related Products



### [MIC94325YMT-TR](#)

Microchip Technology, Inc  
UDFN-6



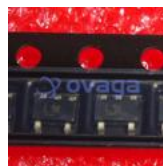
### [MIC4684YM](#)

Microchip Technology, Inc  
SOIC-8



### [MIC2009A-1YM6-TR](#)

Microchip Technology, Inc  
SOT-23-6



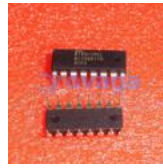
### [MIC2090-1YM5-TR](#)

Microchip Technology, Inc  
SOT-23-5



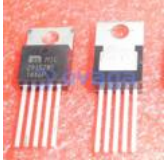
[MIC5841YWM-TR](#)

Microchip Technology, Inc  
SOIC-18



[MIC5891YN](#)

Microchip Technology, Inc  
PDIP-16



[MIC29152WT](#)

Microchip Technology, Inc  
TO-220-5



[MIC5209YM](#)

Microchip Technology, Inc  
SOIC-8