

Voltage Regulator

Manufacturers	Microchip Technology, Inc
Package/Case	MSOP-8
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MIC5219-2.5YMM or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC5219 is an efficient linear voltage regulator with high peak output current capability, very-low dropout voltage, and better than 1% output voltage accuracy. Dropout is typically 10mV at light loads and less than 500mV at full load.

The MIC5219 is designed to provide a peak output current for start-up conditions where higher in-rush current is demanded. It features a 500mA peak output rating. Continuous output current is limited only by package and layout.

The MIC5219 can be enabled or shut down by a CMOS- or TTL-compatible signal. When disabled, power consumption drops to nearly zero. Dropout ground current is minimized to help prolong battery life. Other key features include reversed battery protection, current limiting, over-temperature shutdown, and low noise performance with an ultra-low noise option.

The MIC5219 is available in adjustable or fixed output voltages in SOT-23-5, and MM8® 8-pin power MSOP packages. For higher power requirements, see the MIC5209 or MIC5237.

Features

500mA output current capability

SOT-23-5 package - 500mA peak

MSOP-8 package - 500mA continuous

Low 500mV maximum dropout voltage at full load

Extremely tight load and line regulation

Tiny SOT-23-5 and MM8® power MSOP-8 package

Ultra-low noise output

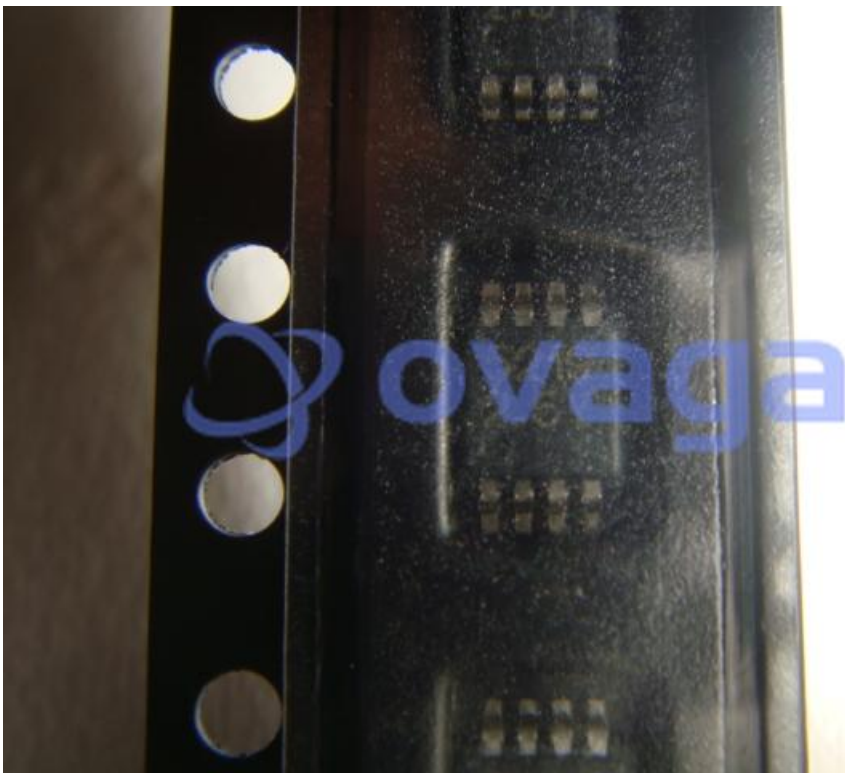
Low temperature coefficient

Current and thermal limiting

Reversed battery protection

CMOS/TTL-compatible enable/shutdown control

Near-zero shutdown current



Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



[MIC4684YM](#)

Microchip Technology, Inc
SOIC-8



[MIC2009A-1YM6-TR](#)

Microchip Technology, Inc
SOT-23-6



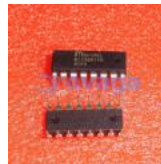
[MIC2090-1YM5-TR](#)

Microchip Technology, Inc
SOT-23-5



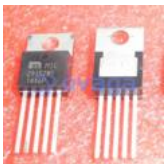
[MIC5841YWM-TR](#)

Microchip Technology, Inc
SOIC-18



[MIC5891YN](#)

Microchip Technology, Inc
PDIP-16



[MIC29152WT](#)

Microchip Technology, Inc
TO-220-5



[MIC5209YM](#)

Microchip Technology, Inc
SOIC-8