

LDO Voltage Regulator Controller, 100mA, 3.3 V, $\pm 2\%$ 3-Pin, SOT-223

Manufacturers [Microchip Technology, Inc](#)

Package/Case SOT-223-3

Product Type Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MIC5233-3.3YS-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC5233 is a 100mA, highly accurate, low dropout regulator with high input voltage and ultra-low ground current. This combination of high input voltage and low ground current makes the MIC5233 ideal for multi-cell Li-Ion battery systems.

A μ Cap LDO design, the MIC5233 is stable with either ceramic or tantalum output capacitors. It only requires a 2.2 μ F capacitor for stability.

Features of the MIC5233 include enable input, thermal shutdown, current limit, reverse battery protection, and reverse leakage protection.

Available in fixed and adjustable output voltage versions, the MIC5233 is offered in the IttyBitty® SOT-23-5 package with a junction temperature range of -40°C to +125°C.

Features

AEC-Q100 Qualified and PPAP Capable

Wide input voltage range: 2.3V to 36V

Ultra-low ground current: 18 μ A

Low dropout voltage of 270mV at 100mA

High output accuracy of $\pm 2.0\%$ over temperature

μ Cap: stable with ceramic or tantalum capacitors

Excellent line and load regulation specifications

Zero off-mode current

Reverse battery protection

Reverse leakage protection

Thermal shutdown and current limit protection

IttyBitty[®] SOT-23-5 package



Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



[MIC4684YM](#)

Microchip Technology, Inc
SOIC-8



[MIC2009A-1YM6-TR](#)

Microchip Technology, Inc
SOT-23-6



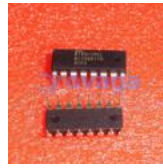
[MIC2090-1YM5-TR](#)

Microchip Technology, Inc
SOT-23-5



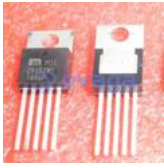
[MIC5841YWM-TR](#)

Microchip Technology, Inc
SOIC-18



[MIC5891YN](#)

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PDIP-16



[MIC29152WT](#)

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TO-220-5



[MIC5209YM](#)

Microchip Technology, Inc
SOIC-8