

IC REG LDO 3.3V 0.3A TSOT23-5

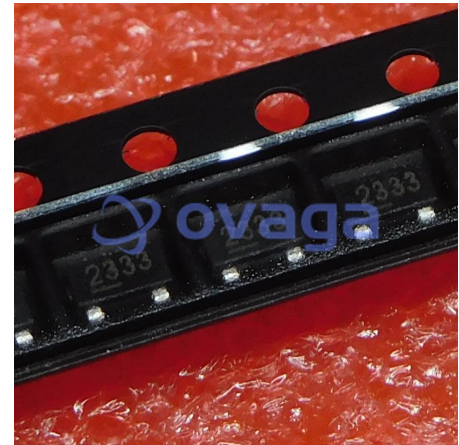
Manufacturers [Microchip Technology, Inc](#)

Package/Case TSOT-5

Product Type Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MIC5323-3.3YD5-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MIC5323 is a high-performance, 300mA LDO regulator, offering extremely high PSRR and very low noise while consuming low ground current.

Ideal for battery operated applications, the MIC5323 features 2% accuracy, extremely low dropout voltage (120mV at 300mA), and low ground current at light load (typically 90 $\mu$ A). When disabled, the MIC5323 typically consumes less than 1 $\mu$ A.

The MIC5323 is a  $\mu$ Cap design operating with small ceramic output capacitors for stability, thereby reducing required board space and component cost.

The MIC5323 is available in fixed output voltages and thin SOT-23-5 package. Additional voltage options are available.

## Features

Ultra-low dropout voltage of 120mV at 300mA

Input voltage range: 2.65 to 5.5V

Stable with ceramic output capacitor

300mA guaranteed output current

Low output noise: 20 $\mu$ Vrms

High PSRR: up to 80dB at 1kHz

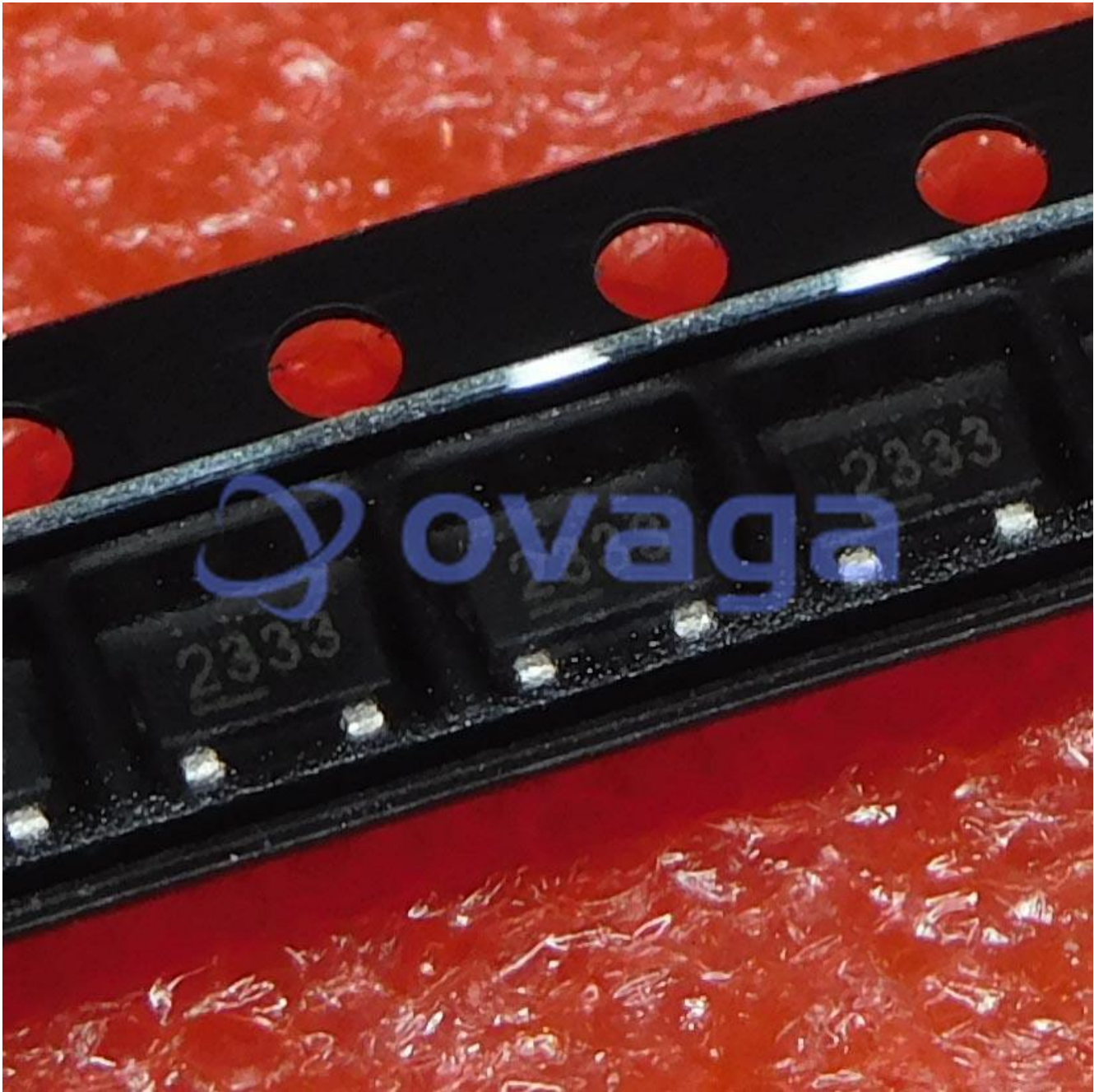
Less than 30 $\mu$ s turn-on time with

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

Thermal shutdown protection

Current limit protection

Thin 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



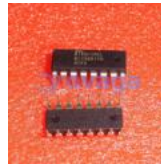
#### [MIC2090-1YM5-TR](#)

Microchip Technology, Inc  
SOT-23-5



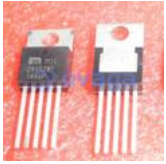
[MIC5841YWM-TR](#)

Microchip Technology, Inc  
SOIC-18



[MIC5891YN](#)

Microchip Technology, Inc  
PDIP-16



[MIC29152WT](#)

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TO-220-5



[MIC5209YM](#)

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SOIC-8