

LDO Voltage Regulator Controller, 150mA, 3 V, $\pm 2\%$ 5-Pin, SOT-23

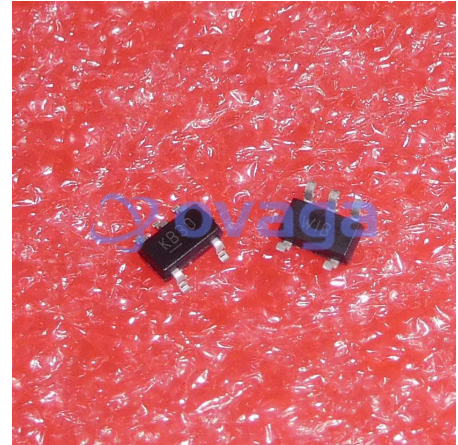
Manufacturers [Microchip Technology, Inc](#)

Package/Case SOT-23-5

Product Type Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MIC5205-3.0YM5-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC5205 is an efficient linear voltage regulator with ultra-low noise output, very low dropout voltage (typically 17mV at light loads and 165mV at 150mA), and very low ground current (600 μ A at 100mA output). The MIC5205 offers better than 1% initial accuracy.

Designed especially for handheld, battery-powered devices, the MIC5205 includes a CMOS- or TTL-compatible enable/shutdown control input. When shut down, power consumption drops nearly to zero. Regulator ground current increases only slightly in dropout, further prolonging battery life.

Key MIC5205 features include a reference bypass pin to improve its already excellent low-noise performance, reversed-battery protection, current limiting, and over-temperature shutdown.

The MIC5205 is available in fixed and adjustable output voltage versions in a small SOT-23-5 package.

For low-dropout regulators that are stable with ceramic output capacitors, see the μ Cap MIC5255/MIC5256/MIC5247.

Features

Ultra-low noise output

High output voltage accuracy

Guaranteed 150mA output

Low quiescent current

Low dropout voltage

Extremely tight load and line regulation

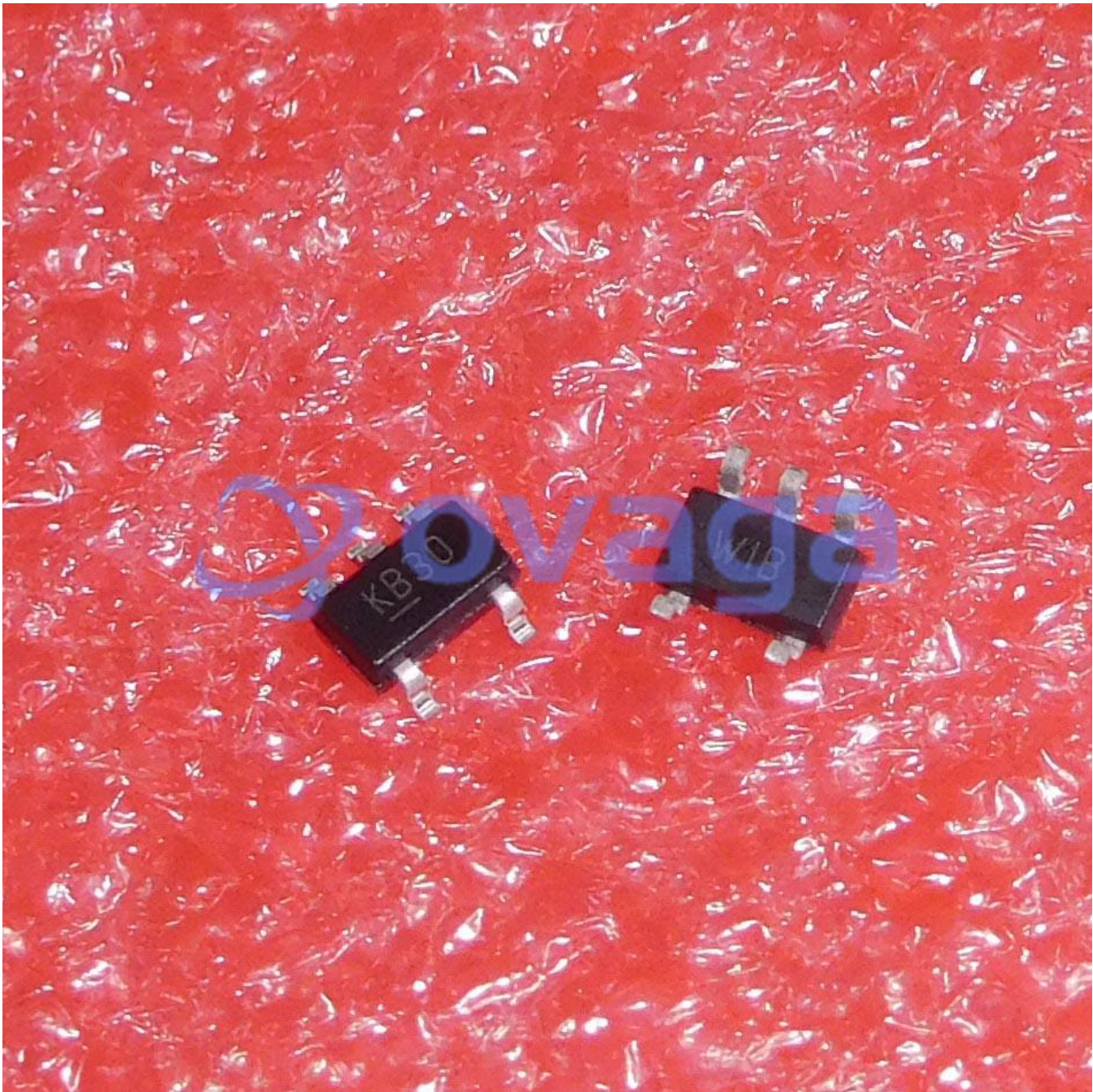
Very low temperature coefficient

Current and thermal limiting

Reverse battery protection

Zero off-mode current

Logic-controlled electronic enable



Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



[MIC4684YM](#)

Microchip Technology, Inc
SOIC-8



[MIC2009A-1YM6-TR](#)

Microchip Technology, Inc
SOT-23-6



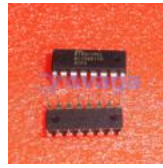
[MIC2090-1YM5-TR](#)

Microchip Technology, Inc
SOT-23-5



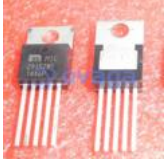
[MIC5841YWM-TR](#)

Microchip Technology, Inc
SOIC-18



[MIC5891YN](#)

Microchip Technology, Inc
PDIP-16



[MIC29152WT](#)

Microchip Technology, Inc
TO-220-5



[MIC5209YM](#)

Microchip Technology, Inc
SOIC-8