

IC REG LDO 2V 0.15A SOT23-5

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 MIC5247-2.0YM5-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC5247 is an efficient and precise, low-voltage CMOS voltage regulator optimized for ultra-low noise applications. The MIC5247 offers better than 1% initial accuracy and 85mA constant ground current over load (typically 85mA). The MIC5247 provides a very low-noise output, ideal for RF applications where quiet voltage sources are required. A noise bypass pin is also available for further reduction of output noise.

Designed specifically for handheld and battery-powered devices, the MIC5247 provides a logic-compatible enable pin. When disabled, power consumption drops nearly to zero.

The MIC5247 also works with low-ESR ceramic capacitors, reducing the amount of board space necessary for power applications, critical in handheld wireless devices.

Key features include current limit, thermal shutdown, a push-pull output for faster transient response, and an active clamp to speed up device turnoff. Available in IttyBitty® SOT-23-5 package, the MIC5247 also offers a range of fixed output voltages.

Features

Ultra-low noise

Low voltage outputs

Load-independent, ultra-low ground current: 85mA

150mA output current

Current limiting

Thermal shutdown

Tight load and line regulation

Zero off-mode current

Stability with low-ESR capacitors

Fast transient response

Logic-controlled enable input





Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



[MIC4684YM](#)

Microchip Technology, Inc
SOIC-8



[MIC2009A-1YM6-TR](#)

Microchip Technology, Inc
SOT-23-6



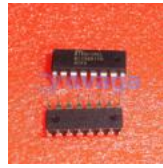
[MIC2090-1YM5-TR](#)

Microchip Technology, Inc
SOT-23-5



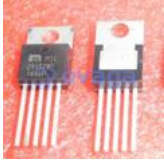
[MIC5841YWM-TR](#)

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[MIC29152WT](#)

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TO-220-5



[MIC5209YM](#)

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SOIC-8