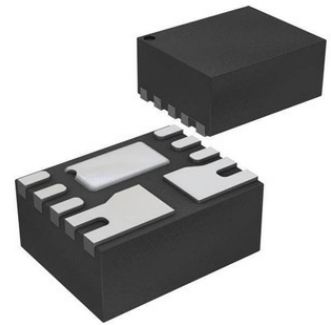


LDO Regulator Pos 3.3V/3.3V 0.3A/0.3A 8-Pin TDFN EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: MLF-8

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The MIC5332 is a tiny dual low quiescent current LDO ideal for applications that are power sensitive. The MIC5332 integrates two high performance 300mA LDOs and a POR generator into a 2mm x 2mm Thin package. This solution occupies the same PC board area of a single SOT-23 package.

The MIC5332 is designed to reject input noise and provide low output noise with fast transient response so as to respond to any load change quickly even though it is a low quiescent current part. This combination of PSRR, low noise and transient response, along with low power consumption makes for a very high performance, yet general purpose product.

The MIC5332 is a μ Cap design, operating with very small ceramic output capacitors, which reduces required board space and component cost. It is available in fixed output voltages in a tiny 8-pin 2mm x 2mm Thin leadless package.

Key Features

2.3V to 5.5V input voltage range

300mA output current per LDO

Very low quiescent current: 25 μ A per LDO

POR output with programmable delay on LDO2

High PSRR: >65dB on each LDO

Stable with 1 μ F ceramic output capacitors

Tiny 8-pin 2mm x 2mm Thin package

Ultra-low dropout voltage: 120mV @ 300mA

Low output voltage noise: 50 μ Vrms

Thermal shutdown protection

Current limit protection

Recommended For You

MIC4451YN

Microchip Technology, Inc
DIP8

MIC4427YN

Microchip Technology, Inc
DIP8

MIC4427YM

Microchip Technology, Inc
SOP-8

MIC2954-02WS

Microchip Technology, Inc
SOT223

MIC2951-02YM

Microchip Technology, Inc
SOP-8

MIC4452ZT

Microchip Technology, Inc
TO-220-5

MIC5013YN

Microchip Technology, Inc
PDIP-8

MIC2582-MYM

Microchip Technology, Inc
SOP-8

MIC4224YM

Microchip Technology, Inc
SOP8

MIC4123YME

Microchip Technology, Inc
SOP-8

MIC2951-02YM-TR

Microchip Technology, Inc
SOIC-8

MIC4422ZM

Microchip Technology, Inc
SOP8

MIC49150WR

Microchip Technology, Inc
SPAK-5

MIC2506YM

Microchip Technology, Inc
SOP-8

MIC49300WR

Microchip Technology, Inc
S-PAK-5