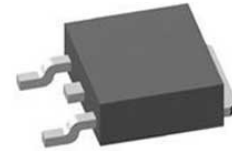


LDO Regulator, 3A Adjustable, 1.24 → 15 V, ±2% 5-Pin D2PAK

Manufacturers	Microchip Technology, Inc
Package/Case	DDPAK-5
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MIC29302AWU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC29302A is a high-current, low-cost, low-dropout voltage regulator which uses proprietary Super beta PNP® process with a PNP pass element. The 3A LDO regulator features 450mV (full load) dropout voltage and very low ground current. Designed for high-current loads, these devices also find applications in lower current, low dropout-critical systems, where their dropout voltage and ground current values are important attributes.

Along with a total accuracy of ±2% (over temperature, line and load regulation) the regulator features very-fast transient recovery from input voltage surges and output load current changes.

The MIC29302A has an adjustable output which can be set by two external resistors to a voltage between 1.24V to 15V. In addition, the device is fully protected against over current faults, reversed input polarity, reversed lead insertion, and overtemperature operation. A TTL logic enable (EN) pin is available in the MIC29302A to shutdown the regulator. When not used, the device can be set to continuous operation by connecting EN to the input (IN). The MIC29302A is available in the standard and 5-pin TO-263 and TO-252 packages with an operating junction temperature range of -40°C to +125°C.

Features

High current capability: 3A over full temperature range

Low dropout voltage of 450mV at full load

Low ground current

Accurate 1% guaranteed tolerance

Extremely fast transient response

Zero-current shutdown mode

Error flag signals output out-of-regulation

Adjustable output voltage

Available in TO-263-L and TO-252-5L packages

Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



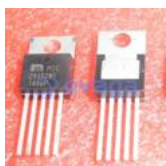
[MIC2009A-1YM6-TR](#)

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SOT-23-6



[MIC5841YWM-TR](#)

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SOIC-18



[MIC29152WT](#)

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TO-220-5



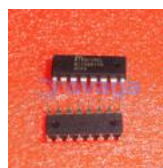
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