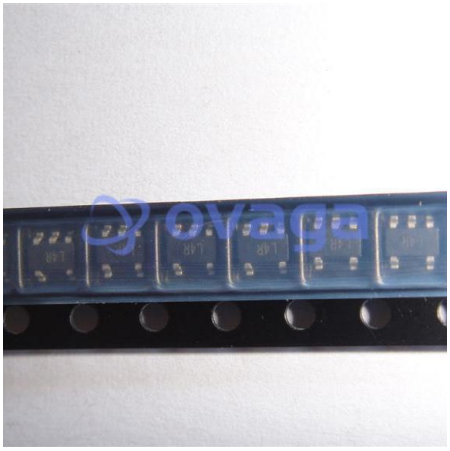
ADP1712AUJZ-R7

Data Sheet

Linear Regulators - Standard 300mA CMOS Low-Dropput Regulator

Manufacturers	Analog Devices, Inc
Package/Case	TSOT-5
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADP1712AUJZ-R7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADP1712/ADP1713/ADP1714 are available in 16 fixed output voltage options. The ADP1712 is also available in an adjustable version, which allows output voltages that range from 0.8 V to 5 V via an external divider. The ADP1712 fixed version allows an external capacitor to be connected to program the soft-start time. The ADP1713 allows a reference bypass capacitor to be connected, which reduces output voltage noise and improves power supply rejection. The ADP1714 includes a tracking feature, which allows the output to follow an external voltage rail or reference.

The ADP1712/ADP1713/ADP1714 are optimized for stable operation with small 2.2 µF ceramic output capacitors, allowing good transient performance while occupying minimal board space. An enable pin controls the output voltage on all devices, and an undervoltage lockout circuit disables the regulator if IN drops below a minimum threshold. The parts also have short circuit protection and thermal overload protection, which prevent damage to the devices in adverse conditions.

Features

Maximum output current: 300 mA

Input voltage range: 2.5 V to 5.5 V

Light load efficient>

Low shutdown current: <1 µA

Very low dropout voltage: 170 mV @ 300 mA load

Initial accuracy: ±1%

Accuracy over line, load, and temperature: ±2%

16 fixed output voltage options with soft start: 0.75 V to 3.3 V

Adjustable output voltage option: 0.8 V to 5.0 V

Low output noise: 40 µV rms

High PSRR: 72 dB @ 1 kHz

See data sheet for additional features

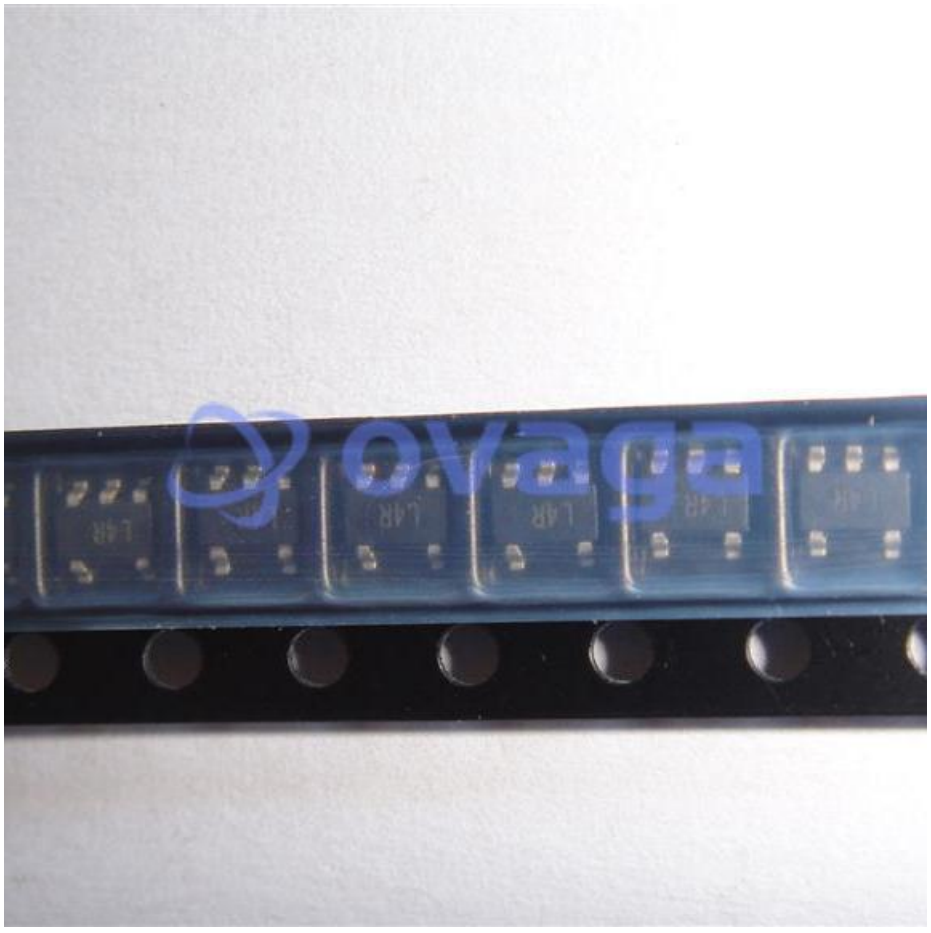
Application

Mobile phones

Digital camera and audio devices

Portable and battery-powered equipment

Post dc-dc regulation



Related Products

[ADP3336ARMZ-REEL7]

Analog Devices, Inc

MSOP-8

[AD737JRZ]

Analog Devices, Inc

SOP-8

[ADP3367ARZ]

Analog Devices, Inc

SOIC-8

[AD636JH]

Analog Devices, Inc

TO-100-10

[ADP3330ARTZ3.3-RL7]

Analog Devices, Inc

SOT-23-6

[ADR434BRZ]

Analog Devices, Inc

SOIC-8

[ADR421ARZ]

Analog Devices, Inc

SOP-8

[ADR3412ARJZ-R7]

Analog Devices, Inc

SOT-23-6