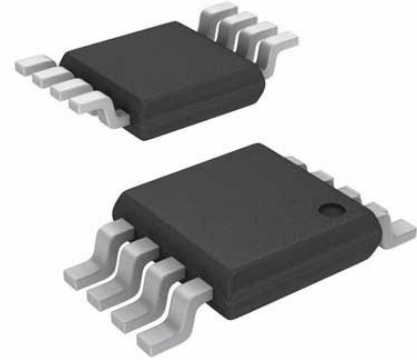


50 mA, High Voltage, Micropower Linear Regulator

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADP1720ARMZ-5-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADP1720 is a high voltage, micropower, low dropout linear regulator. Operating over a very wide input voltage range of 4 V to 28 V, the ADP1720 can provide up to 50 mA of output current. With just 28 μ A of quiescent supply current and a micropower shutdown mode, this device is ideal for applications that require low quiescent current.

The ADP1720 is available in fixed output voltages of 3.3 V and 5.0 V. An adjustable version is also available, which allows the output to be set anywhere between 1.225 V and 5.0 V. An enable function that allows external circuits to turn on and turn off the ADP1720 output is available. For automatic startup, the enable (EN) pin can be connected directly to the input rail.

The ADP1720 is optimized for stable operation with small 1 μ F ceramic output capacitors, allowing for good transient performance while occupying minimal board space.

The ADP1720 operates from -40°C to $+125^{\circ}\text{C}$ and uses current limit protection and thermal overload protection circuits to prevent damage to the device in adverse conditions.

Available in a small thermally enhanced MSOP package, the ADP1720 provides a compact solution with low thermal resistance.

Features

Wide input voltage range: 4 V to 28 V

Maximum output current: 50 mA

Low light load current: 28 μ A at 0 μ A load 35 μ A at 100 μ A load

Low shutdown current: 0.7 μ A

Low dropout voltage: 275 mV @ 50 mA load

Initial accuracy: \pm 0.5%

Accuracy over line, load, and temperature: \pm 2%

See data sheet for additional features

ADP1720-EP supports defense and aerospace applications (AQEC standard)

Download(pdf)

Enhanced processing (EP) for -55°C to $+125^{\circ}\text{C}$ operation

V62/12648 DSCC Drawing Number

Application

DC-to-DC post regulation

PCMCIA regulation

Keep-alive power in portable equipment

Industrial applications

Related Products



[ADP3336ARMZ-REEL7](#)

Analog Devices, Inc
MSOP-8



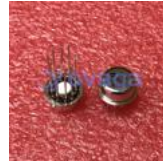
[AD737JRZ](#)

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[AD636JH](#)

Analog Devices, Inc
TO-100-10



[ADP3330ARTZ3.3-RL7](#)

Analog Devices, Inc
SOT-23-6



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[ADR421ARZ](#)

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