

Octal 16-Bit/12-Bit $\pm 10V$ VOUT SoftSpan DACs with 10ppm/°C Max Reference

Manufacturers	Analog Devices, Inc
Package/Case	32-Lead QFN (5mm x 5mm x 0.75mm w/ EP)
Product Type	Data Conversion ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2666HUUH-16#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2666 is a family of 8-channel, 16-/12-bit $\pm 10V$ digital-to-analog converters with integrated precision references. They are guaranteed monotonic and have built-in rail-to-rail output buffers. These SoftSpan™ DACs offer five output ranges up to $\pm 10V$. The range of each channel is independently programmable, or the part can be hardware-configured for operation in a fixed range.

The integrated 2.5V reference is buffered separately to each channel; an external reference can be used for additional range options. The LTC2666 also includes A/B toggle capability via a dedicated pin or software toggle command.

The SPI/Microwire-compatible 3-wire serial interface operates on logic levels as low as 1.71V at clock rates up to 50MHz.

Applications

Features

Precision Reference 10ppm°C Max

Independently Programmable Output Ranges: 0V to 5V, 0V to 10V, $\pm 2.5V$, $\pm 5V$, $\pm 10V$

Full 16-Bit/12-Bit Resolution at All Ranges

Maximum INL Error: $\pm 4\text{LSB}$ at 16 Bits

A/B Toggle via Software or Dedicated Pin

8:1 Analog Multiplexer

Guaranteed Monotonic Over Temperature

Internal or External Reference

Outputs Drive $\pm 10\text{mA}$ Guaranteed

1.8V to 5V SPI Serial interface

32-Lead (5mm \times 5mm) QFN Package

Application

Optical Networking

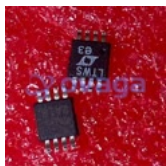
Instrumentation

Data Acquisition

Automatic Test Equipment

Process Control and Industrial Automation

Related Products



[LTC1860IMS8#PBF](#)

Analog Devices, Inc
MSOP-8



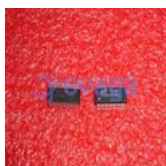
[LT1171CQ](#)

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TO-263



[LTC2485IDD#PBF](#)

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DFN-10



[LTC2418IGN#PBF](#)

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SSOP28



[LTC2351IUH-14#PBF](#)

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QFN-32



[LTC2600CGN#PBF](#)

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[LTC2642CMS-16#PBF](#)

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