

Analogue to Digital Converter, Octal, 12 bit, 125 kSPS, Single Ended, Serial, SPI, Single, 2.7 V

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD7888ARUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7888 is a high speed, low power, 12-bit ADC that operates from a single 2.7 V to 5.25 V power supply. The AD7888 is capable of a 125 kSPS throughput rate. The input track-and-hold acquires a signal in 500 ns and features a single ended sampling scheme. The AD7888 contains eight single-ended analog inputs, AIN1 through AIN8. The analog input on each of these channels is from 0 to VREF. The part is capable of converting full power signals up to 3 MHz.

The AD7888 features an on-chip 2.5 V reference that can be used as the reference source for the A/D converter. The REF IN/REF OUT pin allows the user access to this reference. Alternatively, this pin can be overdriven to provide an external reference voltage for the AD7888. The voltage range for this external reference is from 1.2 V to VDD.

CMOS construction ensures low power dissipation of typically 2 mW for normal operation and 3 μ W in power-down mode. The part is available in a 16-lead narrow body small outline (SOIC) and a 16-lead thin small shrink outline (TSSOP) package.

Features

Specified for VDD of 2.7 V to 5.25 V

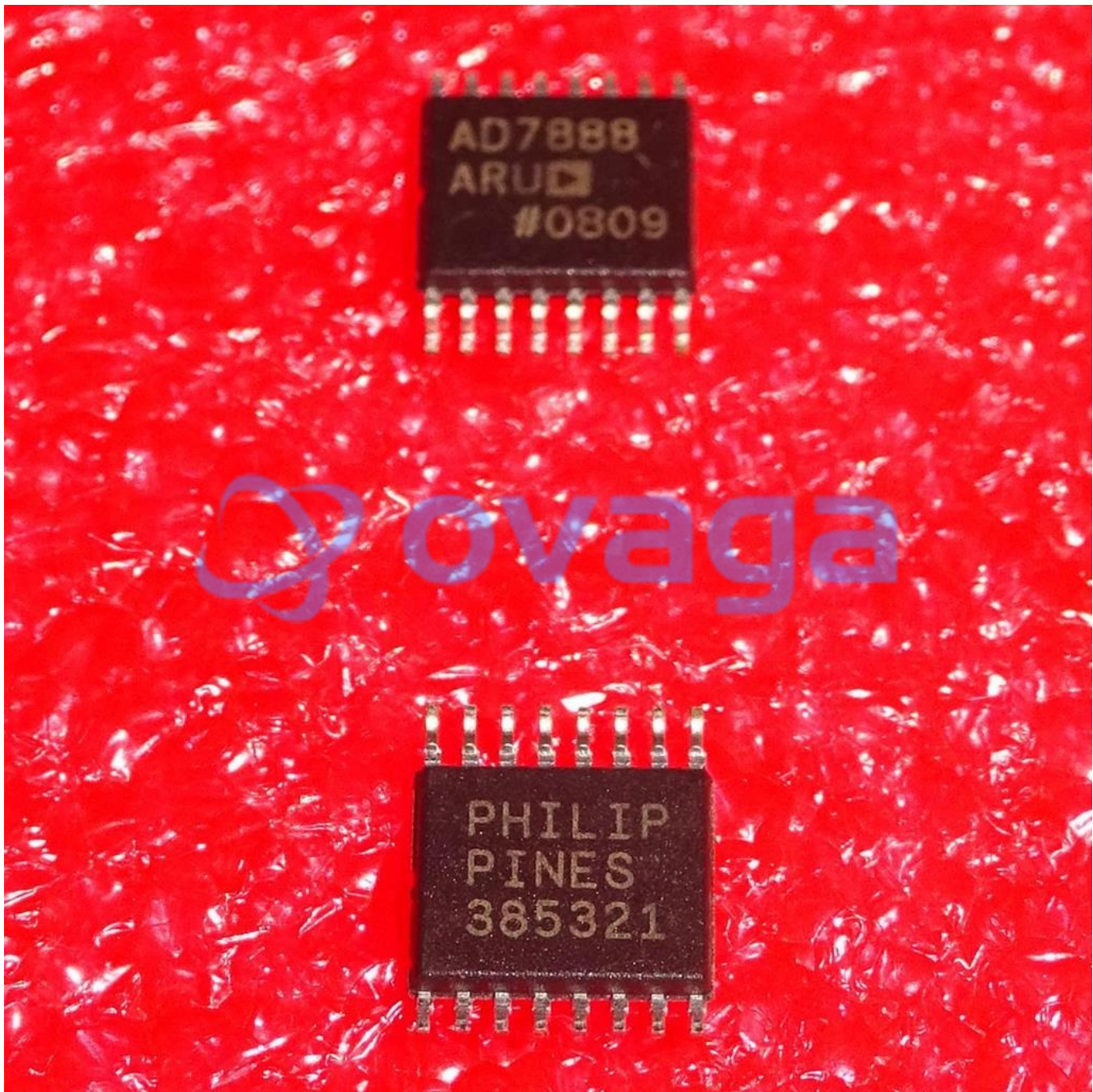
Flexible Power/Throughput Rate Management

Shutdown Mode: 1 μ A Max

Eight Single-Ended Inputs

Serial Interface: SPI®/QSPI™/MICROWIRE™/DSP Compatible

16-Lead Narrow SOIC and TSSOP Packages

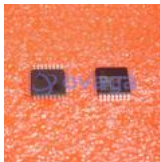


Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQPF-32



[AD574AJNZ](#)

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PDIP-28



[AD7401YRWZ](#)

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SOIC-16



[AD7938BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD7124-8BCPZ-RL7](#)

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LFCSP-32



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64