

## AD7686BRM Analog Devices Product Details



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**Part Number:** [AD7686BRM](#)

**BomEasy Part:** AD7686BRM-3346109

**Category:** [Electronic Components ICs](#)

**Manufacturer:** [Analog Devices](#)

**Applications:**  [Automotive](#)  [Industrial](#)  [Enterprise systems](#)

**Description:** 100KSPS/400KSPS, 16 BIT SAR AD <NV

**RoHS:**  Lead free / RoHS Compliant

**Stock Category:** In stock

**Stock Resource:** Franchised Distributor

**Warranty:** 1 Year BomEasy Guarantee » [Learn More](#)

**EDA/CAD Models:** [AD7686BRM](#) PCB Footprint and Symbol

**Delivery:**     

**Payment:**     

## AD7686BRM(Analog Devices) Description

The AD76861 is a 16-bit, charge redistribution, successive approximation, analog-to-digital converter (ADC) that operates from a single 5 V power supply, VDD. It contains a low power, high speed, 16-bit sampling ADC with no missing codes, an internal conversion clock, and a versatile serial interface port. The part also contains a low noise, wide bandwidth, short aperture delay track-and-hold circuit. On the CNV rising edge, the AD7686 samples an analog input IN+ between 0 V to REF with respect to a ground sense IN-. The reference voltage, REF, is applied externally and can be set up to the supply voltage. Power dissipation scales linearly with throughput.

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