

AD7686BRMZ Analog Devices Product Details PDF

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[Send RFQ](#)**Part Number:** [AD7686BRMZ](#)**BomEasy Part:** AD7686BRMZ-185656**Category:** [Analog to Digital Converters - ADC](#)**Manufacturer:** [Analog Devices](#)**Applications:** [Automotive](#) [Communications equipment](#) [Industrial](#)**Description:** 1-Channel Single ADC SAR 500ksps 16-bit Serial 10-Pin MSOP Tube / IC ADC 16BIT 500KSPS 10-MSOP**RoHS:** Lead free / RoHS Compliant**Stock Category:** In stock**Stock Resource:** Franchised Distributor**Warranty:** 1 Year BomEasy Guarantee » [Learn More](#)**EDA/CAD Models:** [AD7686BRMZ](#) PCB Footprint and Symbol**Delivery:** **Payment:**

AD7686BRMZ(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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