

AD7683BCPZ Analog Devices Inc Product Details



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Part Number: [AD7683BCPZ](#)

BomEasy Part: AD7683BCPZ-3346048

Category: [Electronic Components ICs](#)

Manufacturer: [Analog Devices Inc](#)

Applications: ☒ [Automotive](#) ☒ [Communications equipment](#)
☒ [Personal electronics](#)

RoHS:  Lead free / RoHS Compliant

Stock Category: In stock

Stock Resource: Franchised Distributor

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

EDA/CAD Models: [AD7683BCPZ](#) PCB Footprint and Symbol

Delivery:     

Payment:     

AD7683BCPZ(Analog Devices Inc) Description

The AD7683 is a 16-bit, charge redistribution, successive approximation, PulSAR® analog-to-digital converter (ADC) that operates from a single power supply, VDD, between 2.7 V and 5.5 V. It contains a low power, high speed, 16-bit sampling ADC with no missing codes (B grade), an internal conversion clock, and a serial, SPI-compatible interface port. The part also contains a low noise, wide bandwidth, short aperture delay, track-and-hold circuit. On the CS falling edge, it 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. Its power scales linearly with throughput. The AD7683 is housed in an 8-lead MSOP or an 8-lead QFN (LFCSP) package, with an operating temperature specified from –40°C to +85°C.

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