

Abstract

Analog-to-digital converter for converting a multitude of analog input signals into digital output signals by means of one sigma-delta modulator

An analog-to-digital converter for converting a multitude of analog input signals into a corresponding multitude of digital signals comprises a series arrangement of an analog multiplexer (2), an oversampling sigma-delta modulator (8), a decimator-cum-low-pass filter (10), a digital demultiplexer (12), an interpolator (14) and a digital
5 matrix (16), which are all operated in synchronism.

(Figure 1)

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