

## 256 Channel 16 Bit Charge To Digital Afe On Flex Data

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The 256-channel ADAS1256 digital X-ray AFE is the industry's first single-chip solution to integrate the complete charge-to-digital conversion signal chain by incorporating low-noise programmable-charge amplifiers, correlated double-sampling circuitry, and 16-bit A/D converters. With a noise figure of an equivalent charge of 560 electrons at a 2-picocoulomb full-scale range, the ADAS1256 enables high resolution digital X-ray images while reducing patient exposure to X-ray dose.

Analog Devices' 256-Channel, 16-Bit Digital X-Ray Analog ...

The 256-channel ADAS1256 digital X-ray AFE is the industry's first single-chip solution to integrate the complete charge-to-digital conversion signal chain by incorporating low-noise 256-channel, 16-bit

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digital X-ray analog front end delivers industry's best combination of noise, power and image quality

256-channel, 16-bit digital X-ray analog front end ...

The ADAS1256 is a 256-channel, charge-to-digital analog-front end (AFE) mounted on high density flex. It can be directly mounted on a digital X-ray panel. It is suitable for a large variety of digital X-ray and photodiode array applications and it works with both hole sensing and electron sensing panels. ADAS1256 allows up to 22 $\mu$ s line time, so it can be used in dynamic imaging panels in addition to still image panels.

ADAS1256 Datasheet and Product Info | Analog Devices

256 Channel 16 Bit Charge To Digital Afe On Flex Data The DDC2256A is a 24-bit, 256-channel, current-input analog-to-digital (A/D) converter. It combines both current-to-voltage integration and A/D conversion so that 256 individual low-level current output devices,

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256 Channel 16 Bit Charge To Digital Afe On Flex Data 256 Channel 16 Bit Charge Analog Devices' 256-Channel, 16-Bit Digital X-Ray Analog ... The 256-channel ADAS1256 digital X-ray AFE is the industry's first single-chip solution

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ADAS1256 The ADAS1256 is a 256-channel, charge-to-digital analog-front end (AFE) mounted on high density flex. It can be directly mounted on a digital X-ray panel. It is suitable for a large variety of digital FEATURES. 256-channel, charge-to-digital conversion on a single chip 16-bit resolution with no missing codes Simultaneous sampling User adjustable full-scale range 32 pC Down 22  $\mu$ s line time

ADAS1256 datasheet - The ADAS1256 is a 256-channel, charge ...

256 Channel 16 Bit Charge The 256-channel ADAS1256 digital X-ray AFE is the industry's first single-chip solution to integrate the complete charge-to-digital conversion signal chain by incorporating low-noise programmable-charge amplifiers, correlated double-sampling circuitry, and 16-bit A/D converters.

256 Channel 16 Bit Charge To Digital Afe On Flex Data

256-channel, charge-to-digital conversion on a single chip 16-bit resolution with no missing codes . Simultaneous sampling . User adjustable full- scale range up to 32 pC . Down to 22  $\mu$ s line time . Ultralow noise: 560 e<sup>-</sup> at 2 pC range . INL  $\pm$  2.5 LSB or 57.5 ppm, ADC included . Multiple functional power modes: 1 mW/channel to 3 mW/channel

256-Channel, 16-Bit, Charge-to-Digital AFE on Flex Data ...

256-Channel, 16-Bit, Charge-to-Digital AFE on FlexData

Sheet ADAS1256 Rev. Sp0 Document Feedback Information furnished by Analog

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Devices is believed to be accurate and reliable.

ADAS1256 datasheet (1/3 Pages) AD | 256-Channel, 16-Bit ...

The ADAS1256 is a 256-channel, simultaneous sampling, high dynamic range, low power analog front end that is a complete charge-to-digital conversion signal chain. It incorporates 256 low noise...

Analog Devices' 256-Channel, 16-Bit Digital X-Ray Analog ...

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256 Channel 16 Bit Charge To Digital Afe On Flex Data

The ADAS1256 is a 256-channel, simultaneous sampling, high dynamic range, low power analog front end that is a complete charge-to-digital conversion signal chain. It incorporates 256 low noise integrators, low pass filters, and correlated double samplers that are multiplexed into a high speed, 16-bit, A/D converter.

Analog Devices, Inc. : Analog Devices' 256-Channel, 16-Bit ...

ADAS1 256. 256-Channel, 16-Bit, Charge-to-Digital AFE on Flex. ADAS1 000-1. Low Power, Five Electrode trocardiogram (ECG) Analog Front End. ADAS1 000-2. Low Power, Five Electrode trocardiogram (ECG) Analog Front End. ADAS1 000-3. Low Power, Three Electrode Electrocardiogram (ECG) Analog Front End. ADAS1 000-3.

ADAS1127 Datasheet, PDF - Alldatasheet

Model 7151 256-Channel DDC with four 200 MHz, 16-bit A/D - PMC General Information Model 7151 is a 4-channel, high-speed software radio module designed for pro-cessing baseband RF or IF signals from a communications receiver. It features four 200 MHz 16-bit A/Ds supported by a high-performance 256-channel installed DDC

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