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RF Clock IC Achieves Industry's Best Jitter Performance and Fastest Output Speed to Meet Demands of High-Speed Data Converters

NORWOOD, Mass.--(BUSINESS WIRE)-- [Analog Devices, Inc. \(ADI\)](http://www.analog.com) today introduced an RF clock IC, (radio frequency clock integrated circuit) with the industry's lowest jitter for communications and instrumentation equipment that requires high-speed data conversion and optimum SNR (signal-to-noise ratio) performance. The AD9525 RF clock IC achieves absolute broadband rms (root-mean square) jitter of 83-fs (1-kHz to 100-MHz offset range), at 245.76 MHz, including jitter contribution from the external VCO (voltage-controlled oscillator). The new RF clock IC supports up to a 3.6-GHz output speed that is nearly three times faster than competing clocks. The combination of high speed and low jitter is especially important for applications such as instrumentation and defense electronics where exceptionally clean clock synthesis is required for data conversion operations in the GSPS (billions of samples per second) range.

- View product page, download data sheet and order samples: <http://www.analog.com/en/clock-and-timing/clock-generation-and-distribution/ad9525/products/product.html>
- Learn more about ADI's clock generation and distribution technology: <http://www.analog.com/en/clock-and-timing/clock-generation-and-distribution/products/index.html>
- View discussions on clocking and timing on EngineerZone™, an online technical support community: http://ez.analog.com/community/clock_and_timing

Key Features of the AD9525 RF Clock IC

- RMS jitter:
 - 83 fs @ 245.76 MHz (1 kHz to 100 MHz)
 - 46 fs @ 245.76 MHz (12 kHz to 20 MHz)
- Maximum output speed: 3.6 GHz
- Output-to-output skew: 25 ps
- Number of outputs: 8 LVPECL and 1 LVPECL SYNC
- Supply voltage: 3.3 V

Availability and Pricing

Product	Availability	Operating Temperature Range	Price each in 1,000 quantity	Packaging
AD9525	NOW	-40°C to 85°C	\$8.33	48-lead LFCSP

The AD9525 RF Clock complements ADI's high-speed [data converter](http://www.analog.com) portfolio.

About Analog Devices

Innovation, performance, and excellence are the cultural pillars on which Analog Devices has built one of the longest standing, highest growth companies within the technology sector. Acknowledged industry-wide as the world leader in data conversion and signal conditioning technology, Analog Devices serves over 60,000 customers, representing virtually all types of electronic equipment. Analog Devices is headquartered in Norwood, Massachusetts, with design and manufacturing facilities throughout the world. Analog Devices is included in the S&P 500 Index. <http://www.analog.com>.

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