

PRESS RELEASE

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Ultra-Small Single-Stage CMOS LNA Amplifier for GPS

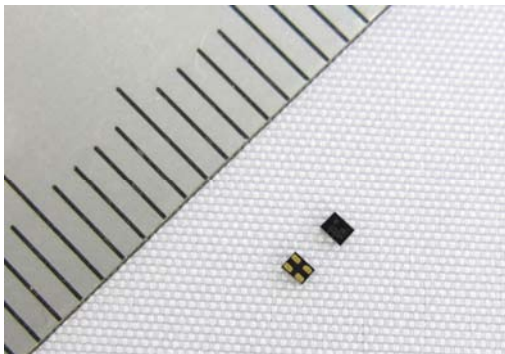
TOREX SEMICONDUCTOR LTD. (Tokyo Japan: President, Tomoyuki Fujisaka) has developed an ultra-small single-stage CMOS LNA amplifier for GPS.

Expanding its lineup of CMOS LNA products for GPS, TOREX SEMICONDUCTOR has introduced a new low-noise, single-stage LNA amplifier in an ultra-small package. The XC2401A8167R-G achieves an ultra-small size (0.95 x 0.75 x h0.38mm), a low NF (0.69dB TYP.), and low power consumption (6.6mW with a fixed bias). 1.2V low voltage operation is supported, and a self bias mode, with one added resistor, supports supply voltages of 1.8V, 2.85V, and 3.0V. For both input and output, 50Ω matching with minimal external components is possible.

The ultra-small USPN-4B02 package contributes to space saving, and this environment-friendly product complies with the EU RoHS directive and is Pb-free. TOREX will continue to expand its LNA lineup and create products that meet market needs.

【XC2401A8167R-G Features】

- Uses a low power consumption CMOS process.
- Low noise figure NF=0.69dB at high gain of 15dB
- Supports various operating voltages: 1.2V, 1.8V, 2.85V, 3.0V



▲USPN-4B02 (0.95 x 0.75 x h0.38mm)

Torex Semiconductor Ltd. is a leading provider of CMOS power management ICs targeted toward battery powered and energy efficient applications. Torex specializes in CMOS analog technology, with LDO voltage regulators, voltage detectors and DC/DC converters making up our core product offering.

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