

## 36-V Automotive Op Amp is Available in the SOT-553 Micro Package

Texas Instruments introduced an automotive-qualified 36-V, single-supply, low-noise op amp that can operate on supplies ranging from +2.7 V to +36 V. In addition to industry-standard packaging, the OPA171-Q1 is available for automotive qualification in the SOT-553 micro package, which is asserted to be 50-percent smaller than comparable devices available today, and can reduce board space for automotive applications including HEV/EV, tracking amplifiers in power modules, and transducer amplifiers. The OPA171-Q1 offers the ability to handle input signals beyond the supply rails without causing output phase reversal. It remains stable when exposed to capacitive loads up to 300 pF or when the input operates 100 mV below the negative rail and within 2 V of the top rail during normal operation. Additional performance characteristics include low offset of up to 1.8 mV, typical drift of 0.3 uV/C and wide gain bandwidth of 3 MHz; and the low quiescent current of 475 uA enables efficient battery-powered operation.

### Texas Instruments

800-477-8924, [www.ti.com](http://www.ti.com) [1]

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[1] <http://www.ti.com>