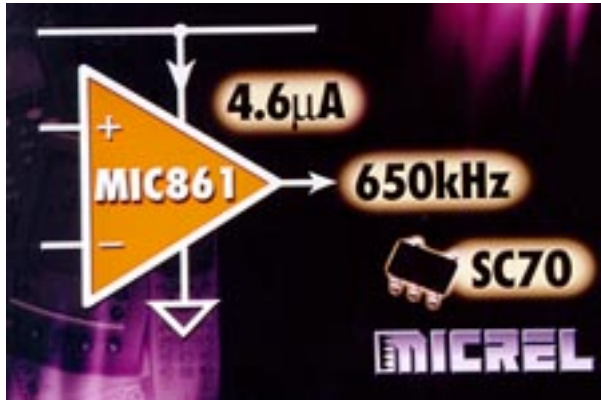


Operational Amplifier



A tiny 650 kHz, rail-to-rail output, operational amplifier that operates down to 2.7 V supply while consuming only 4.6 uA is now available from Micrel Semiconductor.

The MIC861 operates from 5 V down to 2.7 V and provides a -3dB bandwidth of 650 kHz and a 400kHz gain-bandwidth product, yet consumes only 4.6 uA supply current. Traditional op amps at this speed consume more than 50 uA, and many consume much more. Packaging is also much smaller; Micrel's Teeny™ SC70-5 packaging is approximately one-half the size of SOT23-5 packaging.

The MIC861 is unity gain stable. It is specified at supply voltages of 2.7 V and 5 V. Input offset voltage is 2mV (typical), large signal voltage gain is 83dB, PSRR is 85dB and CMRR is 80dB.

Applications include portable equipment, cell phones, PDAs and MP3 players.

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<http://www.wirelessdesignmag.com/product-releases/2001/10/operational-amplifier>