

Low-Power Op Amps Help Extend Battery Life



Microchip Technology Inc., a leading provider of microcontroller, analog, and Flash-IP solutions, offers MCP6401/2/4 Operational Amplifiers (Op Amps), which add to Microchip's general-purpose op amp portfolio by providing lower power consumption in small packages. Featuring quiescent current of just 45 microamperes with a Gain Bandwidth Product (GBWP) of 1 MHz, the MCP6401/2/4 op amps complement Microchip's eXtreme Low Power PIC microcontrollers (MCUs), helping to extend battery life in a variety of medical applications (e.g., glucometers and portable patient-monitoring devices), among others.

Additional features include a maximum offset voltage of +/-4.5 mV and a supply-voltage range of 1.8 to 6 V over the extended temperature range of -40 to 125°C. The op amps are unity gain stable and feature Rail-to-Rail Input and Output operation, for better performance across the entire voltage range.

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