Op Amps feature low quiescent current of 135 microamperes

Microchip Technology Inc., a leading provider of microcontroller, analog and Flash-IP solutions, today announced the MCP6H01 and MCP6H02 (MCP6H01/2) general-purpose operational amplifiers (op amps) with a gain-bandwidth product of 1.2 MHz and supply voltage from 3.5V to 16V. These devices also feature low quiescent current of 135 microamperes (typ.), offset voltage of 3.5 mV (max.), Common Mode Rejection Ratio (CMRR) of 100 dB (typ.), and Power-Supply Rejection Ratio (PSRR) of 102 dB (typ.)

The MCP6H01/2 is targeted for applications that operate on voltages up to 16V, such as those in the medical (e.g. portable instrumentation, heart- and blood-pressure monitors), automotive (e.g. proximity, temperature or flow sensors), and industrial (e.g. high-side current sensing in power supplies) markets. These devices also offer high CMRR and PSRR for improved noise performance. Additionally, low current consumption combined with space-saving package offerings make the MCP6H01/2 ideal for portable applications.

“With their low power and wide operating voltage range, the MCP6H01/2 family is a significant addition to Microchip’s linear product portfolio,” said Bryan J. Liddiard, vice president of marketing with Microchip’s Analog and Interface Products Division. “The performance of the MCP6H01/2 family is expected to enable new markets and applications for Microchip.”

Development Support

PCB footprints and schematic symbols are available today from Microchip’s Web site

at http://www.microchip.com/get/2KPK [1]. The downloads will be available in a neutral format that can be exported to the leading EDA CAD/CAE design tools using the Ultra Librarian Reader from Accelerated Designs Incorporated.

Packaging, Pricing & Availability

The following table summarizes package options and 10k-unit quantity pricing for the MCP6H01/2 op amps. Samples can be ordered today, a http://www.microchip.com/get/5DU9 [2]. Volume-production quantities can be ordered today, at microchipDIRECT (http://www.microchip.com/get/4HJJ [3]). For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at http://www.microchip.com/get/MTL1 [4].

Product	**Package Option**	**10k-Unit Quantit**
MCP6H01-E/SN, MCP6H01T-E/SN	8-pin SOIC	$0.47 each
MCP6H01T-E/MNY	8-pin, 2 mm x 3 mm TDFN	$0.47 each
MCP6H02- E/SN, MCP6H02T-E/SN	8-pin SOIC	$0.66 each
MCP6H02T-E/MNY	8-pin, 2 mm x 3 mm TDFN	$0.66 each

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Links:
[1] http://www.microchip.com/get/2KPK
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