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Microchip Expands Ultra-High-Performance, Auto-Zero Operational Amplifier Portfolio With New Low-Noise Devices

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced the **MCP6V2X family of operational amplifiers (op amps)**. The new devices feature a self-correcting **auto-zero architecture**, which enables ultra-high precision, including an input offset voltage of just 2 microvolts and a gain bandwidth product of 2 MHz. With low noise of 50 nV/root Hz, the **MCP6V2X family** is a lower-noise alternative to Microchip's existing family of **auto-zero op amps**. Their low 2.3V to 5.5V operating voltage allows batteries to be fully utilized, and their rail-to-rail input/output structure allows for full-range use, even in low-supply conditions. The devices are available in a compact, 8-pin MSOP package, and are ideal for applications in the **consumer**, **industrial** and **medical** markets, such as sensor and signal conditioning and instrumentation.

Applications that require low noise, low-voltage operation, ultra-high precision and low drift can benefit from the performance and features of the MCP6V2X family. With their auto-zero architecture, the devices offer very high accuracy over time and temperature, and their lower noise provides for higher accuracy and repeatability. Additionally, the MCP6V2X family's low-voltage operation with rail-to-rail input/output enables greater dynamic range, which leads to better performance across the entire operating-voltage range.

"Microchip continues to leverage its expertise in high-precision amplifier design with the addition of the MCP6V2X series," said Bryan J. Liddiard, vice president of marketing with Microchip's Analog and Interface Products Division. "By providing a lower-noise, smaller-package alternative to Microchip's existing op amp portfolio, we continue to meet the needs of our customers."

Packaging, Pricing and Availability

The **MCP6V26** is available in 8-pin SOIC, 8-pin MSOP and 2 mm x 3 mm 8-pin TDFN packages, for $1.13 each in 10,000-unit quantities. The **MCP6V27** is available in 8-pin SOIC, 8-pin MSOP and 4 mm x 4 mm 8-pin DFN packages, for $1.73 each in 10,000-unit quantities. The **MCP6V28** is available in 8-pin SOIC, 8-pin MSOP and 2 mm x 3 mm 8-pin TDFN packages, for $1.18 each in 10,000-unit quantities.

Samples are available today, at **http://www.microchip.com/get/GQQQ**. Volume-production quantities can be ordered today at **http://www.microchip.com/get/616L**. For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's website at **http://www.microchip.com/get/A902.** To purchase products

mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at http://www.microchip.com/get/D07A.

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Microchip Technology Inc.
Editorial Contact:
Eric Lawson
480-792-7182
eric.lawson@microchip.com
or
Reader Inquiries:
1-888-624-7435
http://www.microchip.com/get/A902

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