

# PRESS RELEASE



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FOR IMMEDIATE RELEASE

## **Mass Flow Sensors Establish New Performance Standards**

*PMFc3000 Sensor Series is a Drop in, Compatible Replacement for Honeywell  
AWM3000, Offering Improved Performance and Reliability*

**San Jose, CA January 17, 2012** – Posifa Microsystems, Inc., a leader in Advanced MEMS Sensor Development, stepped out of “stealth-mode” today to officially unveil its new line of improved Mass Air Flow Sensors. The PMFc3000 series, which is a pin compatible upgrade to the Honeywell AWM3000 series, incorporates the latest MEMS and microelectronics innovations. By replacing the common “membrane-cavity” structure with a proprietary “solid-state” thermal isolation structure, Posifa’s sensors bring new levels of reliability to their customer’s applications, thus eliminating field failures associated with pressure shock and contamination that have for years plagued other manufacturers

In addition to meeting the same packaging and calibration specifications of the AWM3000, the PMFc3000 offers enhanced interchangeability by dramatically improving the initial output tolerance to less than 2% Full Scale, compared to more than 5% for the AWM3000.

The PMFc3000 sensor die uses a pair of thermopiles surrounding a central heating element to detect changes in temperature gradient caused by mass flow, delivering ultra-low noise-to-signal, and unsurpassed repeatability. The sensor’s internal signal conditioning circuitry leverages an off-the-shelf microcontroller, providing proven reliability and low cost.

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The PMFc3000 series of mass air flow sensors covers the ranges from 30 to 1000 sccm (standard cubic centimeter/minute). The sensors are fully calibrated and compensated over the temperature range of 0°C to 50 °C (32 to 122 °F).

Samples are available now and can be requested directly from the Posifa Microsystems' web site, [www.posifamicrosystems.com](http://www.posifamicrosystems.com).

### **About Posifa Microsystems, Inc.**

**Posifa Microsystems, Inc.** headquartered in the heart of the Silicon Valley, provides advanced MEMS sensors, both in die and in packaged forms, to OEM customers worldwide. The former stealth-mode company spent years developing new and innovative sensor designs while refining its manufacturing technologies. Posifa's efforts have resulted in the advancement of unique capabilities, cost reduction, long-term stability and reliability of MEMS sensors.

From design to final production, Posifa Microsystems, Inc. offers standard and custom sensor solutions for a wide variety of customers, providing cost effective, high performance sensor devices to meet their challenging design requirements. Posifa Microsystems, Inc is a privately held company with headquarters in San Jose, Calif. For more information, please visit [www.posifamicrosystems.com](http://www.posifamicrosystems.com).

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