

# NEWS RELEASE



**FOR IMMEDIATE RELEASE: November 19, 2010**

**CONTACT:**

Teresa Farris

MARCOM Manager

Aeroflex Plainview

719-594-8035 (voice)

719-594-8468 (fax)

Email: [teresa.farris@aeroflex.com](mailto:teresa.farris@aeroflex.com)

[www.aeroflex.com/RDC](http://www.aeroflex.com/RDC)

**SUPERIOR RADIATION PERFORMANCE for  
HiRel MOTION MEASUREMENT  
with AEROFLEX's  
NEW RESOLVER-TO-DIGITAL  
RDC5028 REV C**

**Plainview, NY** – Aeroflex Plainview announces its third generation RDC5028 Resolver-to-Digital Converter with excellent radiation tolerance and enhanced performance for accurately measuring motion in space environments. The RDC5028 is a critical component for satellite's attitude control systems where controlling movement of solar panels, antenna arrays, and gyroscope reaction wheels is directly connected to mission success. The RDC5028 digitally outputs rotational velocity and/or shaft angles with accuracy down to 5.3 arcminutes allowing precise control of a satellite's motion system. For prior generation users of the ACT5028, the RDC5028 Rev C is a form, fit, and functional replacement with improved 16-bit performance throughout its temperature range enabling better system integration.

The RDC5028 Rev C features include:

- Measurement accuracy down to 5.3 arcminutes (10 - 16 bit resolution)
- Leading radiation performance
  - 1Mrads(Si) Total Dose
  - SEL Immune to 100 MeV-cm<sup>2</sup>/mg
- Industry's lowest power consumption: 100mW, single +5V supply
- Heritage on Mars mission (Prior generation = NASA Technology Readiness Level 9)
- -55°C to +125°C operating temperature range
- Compatible for linear motion with a linear variable differential transformer (LVDT)
- Flight models available to MIL-PRF-38534, Class K and DSCC 5962-04235

“Our RDC5028 uniquely addresses space satellite markets with leading radiation specifications ensuring reliable operation in a wide breadth of motion measurement applications.” said Ian Kolker, Business Development Manager, Class K Standard Products.

According to John Brunn, Director of Electronic Design, Aeroflex Motion Control, “We successfully used the predecessor RDC5028 on a mission to Mars and the RDC5028 Rev C generation’s performance enhancements will better enable integration into our future motion systems.”

“The total ionizing radiation hardness of the Aeroflex RDC5028 meets the highest levels required for strategic components,” said Dr. Joseph Benedetto, Vice President of Aeroflex RAD. “The unit is well suited for satellite applications in the peak of the Van Allen Belts, as well as for deep space missions.”

The RDC5028 is a Class K product available to DSCC SMD 5962-04235. For Flight parts, the RDC5028 is \$2,442 in lots of 50. Both Flight and Non-Flight units are readily available.

For a copy of the datasheet, leading radiation performance data, or applications notes / tools, call 1-800-645-8862 or visit [www.aeroflex.com/RDC](http://www.aeroflex.com/RDC).

###

Aeroflex Plainview is a leading supplier of application-specific multi-chip and hybrid modules, standard memory and MIPs, microprocessor based products for satellite, military and avionic applications. Other products offered are high reliability motion control subsystems, DC brushless motors, motor drivers, DC-DC converters, Single Board Computers, RF and Fiber optic products, SMT and Chip on Board modules. Further information on the company and their products can be found at [www.aeroflex.com/HiRel](http://www.aeroflex.com/HiRel).

## **About Aeroflex**

Aeroflex Incorporated is a leading global provider of microelectronic components and test and measurement equipment used by companies in the space, avionics, defense, commercial wireless communications, medical and other markets.

All statements other than statements of historical fact included in this press release regarding Aeroflex's plans and objectives of its management for future operations are forward-looking statements, including, among other things, statements concerning the timing and completion of the Offers and Aeroflex's financial position and liquidity giving effect to the transactions contemplated by the Offers. When used in this press release, words such as "anticipate," "believe," "estimate," "expect," "intend" and similar expressions, as they relate to Aeroflex or its management, identify forward-looking statements. Such forward-looking statements are based on the current beliefs of Aeroflex's management, as well as assumptions made by and information currently available to its management. Actual results, risks and assumptions relating to the Offers could differ materially from those contemplated by the forward-looking statements as a result of certain factors, including but not limited to, adverse developments in the global economy; adverse developments relating to the Offers; the inability to continue to develop, manufacture and market innovative, customized products and services that meet customer requirements for performance and reliability; the termination of key contracts; and the failure to comply with regulations such as International Traffic in Arms Regulations and any changes in regulations. Such statements reflect the current views of management with respect to the future and are subject to certain risks, uncertainties and assumptions. Aeroflex does not undertake any obligation to update such forward-looking statements.