

**FOR IMMEDIATE RELEASE**

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**VPT Introduces More than 50  
New DC-DC Converter Modules  
for Use in Space Power Systems**

**New Off-The-Shelf Modules Guaranteed to  
30krad (Si) Including ELDRS**

**BLACKSBURG, VA, April 1, 2008** - VPT Inc., the innovative leader in providing power handling products, today introduced more than 50 DC-DC converter modules specifically designed and manufactured for space applications. Grouped into four product families, these new space DC-DC converters deliver up to 120 watts of output power, operate reliably through harsh radiation environments, and are available for fast delivery at reasonable cost.

“VPT is the first to provide DC-DC power conversion products with a guaranteed radiation tolerance through long-term exposure to low dose radiation, the most typical type that affects the success of the mission,” explained Michael J. Bosmann, Senior Vice President of Sales and Marketing for VPT. “Years ago we were focused on a total dose of 100krad or more, but over time the industry has learned that continual low dose radiation is much more of a concern and typical of that encountered during the application. Our new product line satisfies today’s updated reliability requirements for space including the new radiation requirements, small size and light weight mandates, stringent requirements of 100% reliable operation through a wide range of space flight conditions, and fast product availability.”

**Built for Today’s Space Requirements**

VPT packages its “S” space series of DC-DC converters in miniature, hermetic, metal cases for reliable power delivery through the extreme temperature, shock, vibration, and radiation environments of space travel. Specific features of the new SVSA, SVHF, SVTR and SVFL product families include:

- Six to 120 watts of output power in standard single and dual output voltages
- Characterization and guarantee to 30krads (Si) per VPT's RHA plan specified per MIL-PRF-38534, Appendix G, Level P with 2x margin\*
- Characterization and testing for TID (total ionizing dose) at HDR (high dose rate) and LDR (enhanced low dose rate sensitivity -- ELDRS) per VPT's RHA plan\*
- MIL-PRF-38534 Class H element evaluated components standard
- Components selected from database of recommended RH devices
- Designed and manufactured in a facility certified to MIL-STD-883 and MIL-PRF-38534 Class H (military) and K (space) and qualified to ISO 9001
- Characterization and testing performed at the critical semiconductor component piece-part level (radiation lot acceptance test - RLAT) from traceable semiconductor lots
- Characterization and testing also performed on the converters produced from the same traceable semiconductor lots evaluated during RLAT
- No pure tin - guaranteed
- Fault tolerant design with radiation immune magnetic isolation technology - no optoisolators
- Wide case temperature operation of -55°C to +125°C with full performance over entire temperature range

\*VPT's certified radiation program per MIL-PRF-38534, appendix G, is currently under review by the Defense Supply Center Columbus (DSCC). Contact DSCC directly at 604-692-0585 for the current status.

#### **Off-The-Shelf Availability for Fast Delivery**

The new space series of DC-DC converters from VPT is a cost effective power solution that provides radiation tolerance at reasonable cost to fulfill today's demands of availability and affordability in space systems. Space systems engineers can now specify and receive radiation tolerant power conversion components quickly and affordably from VPT.

The new space series units are available immediately with pricing beginning at \$950 for the 6W SVSA Series in OEM quantities. Complete technical details on the new SVSA, SVHF, SVTR, and SVFL product families are available at [www.vpt-inc.com/Space](http://www.vpt-inc.com/Space). For further information, contact VPT at (425) 353-3010.

#### **About VPT**

VPT, Inc. leads the industry in providing innovative DC-DC converters, EMI filters, and custom engineering services for avionics, military, and space applications. VPT can deliver its patented power solutions in a fast timeframe, with certified quality, at a comfortable cost. Every day, organizations like NASA, Lockheed Martin, Boeing, Raytheon, the United States Air Force, and many more depend on quality solutions from VPT to power critical systems. Whether on the ground, in the air, or beyond, VPT provides the power driving critical missions today.

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\*\*\* Note to Editors: A product photo is available. Contact [press@vpt-inc.com](mailto:press@vpt-inc.com).