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Federal engineering and supplier experience drives capabilities for product performance and evaluation of products for federal programs...

AVO PHOTONICS' OPTICAL AND OPTOELECTRONIC MANUFACTURING SERVICES OPTIMIZED FOR FEDERAL PROGRAMS

HORSHAM, Penn. (November 9, 2004) – Avo Photonics, specialists in RF and optical packaging solutions, recently began providing contract manufacturing services optimized for the federal government and suppliers of optical and optoelectronic devices to the federal government. Avo has the tracking and control procedures and documentation capabilities necessary to comply with government required oversight. Additionally, Avo is a one-stop shop for federal suppliers, offering design through development into production. Avo will design, model, specify and procure parts, as well as develop prototype builds, predicted yields, cost models, and volume production.

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“When I was at NASA, we recognized the need for a single partner that could provide design, prototyping and production services. Analysis and systems integration of the optical, mechanical, thermal, electrical, and material characteristics of a component is critical,” said Dr. Joseph Dallas, COO of Avo. “Avo was set up to provide the full spectrum of high quality, robust services necessary to support federal programs, particularly for high mix, low volume packages.”

Avo Photonics follows the classic product development milestones: Systems Requirement Review (SRR), Preliminary Design Review (PDR), and Critical Design Review (CDR). These easily tracked metrics provide a disciplined framework during the build of engineering models, engineering test units, and flight/ground-based components and systems. High product performance and reliability is assured.

Additionally, Avo’s engineering group consists of former NASA engineers, as well as engineers experienced in production for federal programs. All Avo employees are U.S. citizens and its manufacturing facilities are capable of meeting relevant security requirements.

“Our combined experiences in serving the federal, military and aerospace optoelectronics and electronics industries provide a firm understanding, proven capabilities and disciplined approach required to ensure reliable performance of manufacturing solutions for federal programs,” said Dr. Paul Magill, CTO of Avo. “We know what metrics must be in place to track and evaluate the progress of federally-contracted projects.”

Avo Photonics is located just outside of Philadelphia, less than two hours by car or train from the Washington, D.C., area and major federal technology sites, including the NRL, NASA, NIH, and NSA. Avo provides complimentary initial technical consultation and proposals in as little as 24 hours.

Avo supports its design capabilities with a complete suite of modeling tools and expertise in RF, optical, thermal and mechanical analysis, materials, and soft tooling. With this complete suite, products are ready for immediate prototyping and low-volume production, as well as the ability to flow to high-volume production without having to retool or requalify the design. Volume manufacturing processes to support these packages include: laser welding, die bonding, flip chip, wire bonding, seam sealing and optical fiber attach. Avo also provides failure analysis, and supply chain management. Avo's philosophy is to provide the customer with the design that is best suited for their product and their market, whether it is a custom or standard package.

For a complete overview of Avo Photonics' service offerings, visit www.avophotonics.com or call (919) 593-2571.

About Avo

Founded in 2004, Avo Photonics specializes in design and manufacturing solutions for photonic and microelectronic packaging, assembly, and test for the communications, military/aerospace, and medical/ industrial markets. Avo's mission is to develop cost-effective manufacturing solutions for customers while providing support from design to production for products in all markets. Avo can be found on the Internet at www.avophotonics.com.

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