

News Release

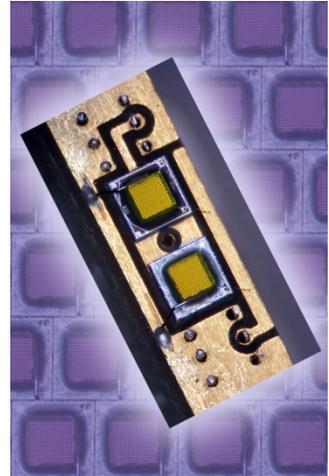
FOR IMMEDIATE RELEASE

August 9, 2011

Avo Photonics Selected to Package PulseTor's SiPM-based Products

High efficiency process vacuum compatible

HORSHAM, Pa. – Avo Photonics, an opto-electronic service company specializing in custom design and manufacturing, has been chosen by PulseTor, Inc. to advance the performance, packaging, and production of its next generation silicon photomultiplier (SiPM) based detectors.



PulseTor's line of SPRITE™ SiPM-based detector assemblies (patent pending) are used in electron imaging applications. The measurement requirements and high-vacuum operating environment that are characteristic of these applications impose challenging thermal, electrical, material, and mechanical packaging constraints. Avo Photonics developed a high efficiency solution that supports optional low temperature operation without the use of active cooling, while simultaneously providing vacuum compatibility and minimal package size.

"The component design and system engineering converged nicely to yield a manufacturable assembly which meets PulseTor's expectations," remarked Todd Rixman, Avo's technical manager for this program.

Dr. Nicholas Barbi, CEO of PulseTor commented, "Working with Avo was efficient and successful. They listened to our requirements and ideas and offered suggestions and improvements, all while being incredibly detailed in their analysis, design, and production. The degree of support and transparency provided by Avo were primary contributors to the success of the program."

PulseTor (www.pulsetor.com) provides high performing silicon drift detectors (SDD), SiPM electron imaging detectors, optimized preamplifiers, and digital pulse processors. Their products are designed for ease of use, providing X-ray system operation with no liquid nitrogen requirements, plug-and-play installation, and uncomplicated system upgrades.

Avo Photonics (www.avophotonics.com) provides custom design and contract manufacturing of opto-electronic components and assemblies. Avo's unique pure service model supports customers in the military, medical, communication, and commercial markets. From design through production, Avo is a one-stop shop for low-cost, high-quality photonic packages and systems. Avo's personnel and equipment are an extension of its customers' businesses, providing transparent services at the volumes needed to advance from design to market dominance.

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