Silicon photomultiplier module for low light level detection

Excelitas Technologies announced the introduction of its new Silicon Photomultiplier (SiPM) Module [1], under the brand name LynX, expressly designed to meet state-of-the-art analytical measurements needs.

The LynX SiPM Module (LynX-A-33-050-T1-A) is a compact, easy-to-use, analogue module based on Excelitas' new C30742 Series low noise, ultra-fast timing resolution, low cross-talk SiPM chips. The LynX SiPM Module offers an attractive alternative to traditional Photomultiplier Tubes (PMTs) for a variety of Analytical Instrumentation and Life Sciences applications including Fluorescence measurement and Flow Cytometry.

Excelitas' LynXSilicon Photomultiplier Module consists of a single-stage TE-cooled detector head, DC-DC power supply, and a low-noise transimpedance amplifier. It contains a 3x3 mm^2 active area SiPM with 50x50 μm^2 microcells for optimum dynamic range and photon detection efficiency (PDE).

"Excelitas' LynX Silicon Photomultiplier Module was designed with significant customer input and is an important new addition to our growing range of Low Light Level Detection (L^3D) offerings based on high-performance solid state detectors," said Michael Ersoni, Senior Vice President and General Manager of Excelitas Technologies' global detection business.

Excelitas' LynX SiPM Module is available as a standard product and Excelitas also offers customized Low Light Level Detection Modules tailored to OEM application requirements.

[1]http://www.excelitas.com/Pages/Product/SIPM-Modules.aspx [2]

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