



UV, Visible & NIR LED Solutions

- 1mm LEDs in single, double, 3x3, 5x5, 7x7 & 10x10 packages
- UV/Vis/NIR LED lamps & systems

Fibreoptic Instruments & Sources

- Broadband ASE sources, EDFAs & Pulsed fibre amplifier-MOPA
- Correlation OTDR fibre fault locator

LED, Laser Diode & Detector Solutions

- NEW! High power laser diode modules**
- High intensity UV-cure "pen"
- Fibre-coupled laser diodes, LEDs, photodiodes & PIN-TIAs

Liquid Crystal-based Optical Components

- Fast Optical Shutters (FOS)
- Fast Polarisation Modulators (FPM) & Variable Polarisation Rotators (VPR)
- NEW! Variable Neutral Density filter**

Silicon Photodiodes & Hybrid Detector-Preamplifier Receivers

- NEW! UV/XUV, electron/ion & soft x-ray detectors**

UV, Visible & NIR Light Emitting Diodes & LED Arrays

IR Detectors & Emitters

- NEW! PbS (1-3.1µm) & PbSe (1-5.5µm) detectors**
- NEW! Steady-state & Pulsable thermal IR emitters**

High Resolution 180nm - 1700nm Microspectrometers

- MEMS-based & CT spectrometers
- Standard & custom Slit, Grating & Detector configurations

Light Sources

Spectral Measurement System

Singlemode Laser Diodes

- 1-1.24µm PMF pigtailed DFB
- 532nm, 561nm, 594nm, 640nm, 660nm, 785nm, 830nm & 940nm
- 1310nm 155Mbps & 1300nm high temperature Quantum Dot FP

Multimode Laser Diodes

- 445nm - 1850nm freespace & fibre-coupled
- 622nm - 1064nm laser diode arrays

Silicon Photomultipliers (SiPMs)

- Solid-State PMT - Low Noise, High gain, Low voltage
- SMT components & Arrays

4-Channel Time-to-Digital Converter (TDC)

Ultra Violet Light Emitting Diodes

- Surface mount & TO-style packages
- 255nm - 310nm

Ultra Violet Light Emitting Diodes

- Surface mount single- & multi-chip packages
- 340nm - 420nm

Data Acquisition Systems for SiPMs, PMTs & APD Arrays

- Multichannel charge integrating DAQs & photon counting systems
- SiPM, PMT & APD array interface boards

For  Solutions

- APT 1: unusually fitted or qualified: **READY**
2: suited to a purpose; especially : being to the point
3: keenly intelligent and responsive