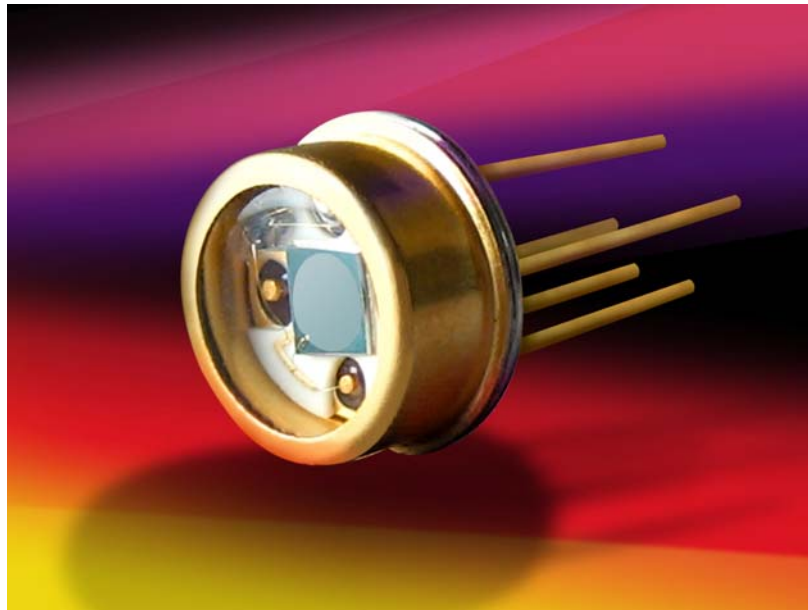


Opto Diode releases hybrid photodiode/preamplifier combination



AP Technologies is pleased to announce the international release of Opto Diode Corporation's ODA-5W-100M which combines a high responsivity 5 mm² active area silicon photodiode with a 100 Mega-Ohm preamplifier.

Typical applications for these high sensitivity devices are fluorescence spectroscopy and low-light-level tasks where electrical noise can affect the photodiode signal if the detector and amplifier are separate components on a circuit board.

The standard red/NIR-enhanced device has a responsivity of 40 V/ μ W at 660 nm – visible enhanced versions can also be supplied.

The ODA-5W-100 operates from ± 15 V and is supplied in a hermetically sealed 4+1 lead TO-5 window package and has a frequency response of 1 kHz, a low Offset Voltage of ± 1 mV and Dark Offset Noise of 5 mV rms.

Martin Sharratt - Managing Director of APT said "as well as being an exciting product in its own right the addition of the ODA-5W-100 provides a platform for a wide range of application-specific solutions by optimising the detector geometry and feedback circuitry".

The ODA-5W-100M is manufactured at Opto Diode's state-of-the-art facility in Newbury Park, California in their Class 1000 cleanroom and high volume fully-automated packaging facility.

For further information contact Martin Sharratt on 01225 780400
or visit
www.aptechnologies.co.uk/page0010.html