



PRESS RELEASE

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Enhanced High-Performance Avalanche Photodiodes for Ultra-Low Light Applications

Excelitas recently announced the availability of an enhanced series of avalanche photodiodes (APDs) that provide high-responsivity for ultra-low light applications.

Featuring a double-diffused "reach-through" structure, the C30902EH-2 and C30902SH-2 APDs are fabricated with a built-in 905nm band pass filter for high efficiency and rapid rise and fall times. The modules can be used in normal linear mode or in "Geiger" mode, to meet customers' specific needs in LIDAR, range-finding, small-signal fluorescence, photon counting and bar code scanning applications.

The EH-2 version's low-level light and advanced signal detection capabilities are further enhanced by a hermetically-sealed TO-18 package that enables minimal signal losses without the risk of endangering detector stability. Both modules offer high quantum efficiency (77% typical at the 830nm wavelength) and rapid spectral response in the 400 – 1000nm range.

For more information, contact **Warsash Scientific** on +61 2 9319 0122 or sales@warsash.com.au.

