Laser APD Diode

APDs are typically used in applications requiring both high bandwidth and high sensitivity. The operational wavelength of the APD is determined by its material composition. Two of the more ...

An avalanche photodiode (APD) is a type of semiconductor-based photodetector that operates at a high reverse voltage, allowing for the amplification of photocurrent through an avalanche process.

APD arrays are now available from Laser Components, enabling new applications in LIDAR and ACC. APDs with matched, integrated pre-amplifier in compact hermetic packages. Fast and reliable ...

An avalanche photodiode (APD) is a highly sensitive type of photodiode, which in general are semiconductor diodes that convert light into electricity via the photovoltaic effect.

APD modules enable very low light levels to be detected quickly and simply in a variety of applications such as laser radar, rangefinding, data transfer or biomedical analysis. The APD modules are based ...

The avalanche photon diode (APD) is a type of photodiode that utilises the avalanche multiplication effect of semiconductor materials to achieve the highly sensitive detection of optical signals.

LASER COMPONENTS can be your one stop for all your emitter and detector products as a manufacturer of both pulsed laser diodes (PLDs) and photodiodes. APDs are offered with custom ...

Our fiber-coupled avalanche photodiodes are great for both equipment makers (for example, OTDR = optical time-domain reflectometers) and researchers.

For low-light detection in the 200 to 1150 nm range, the designer has three basic detector choices - the silicon PIN detector, the silicon avalanche photodiode (APD) and the photomultiplier tube (PMT).

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