

ALPHALAS GmbH has released new models of ultrafast photodiodes that expand the product range towards faster rise time and wider wavelength ranges from ultraviolet to infrared. From Stock: Most ...

This white paper discusses the characterization of laser diode theory and the challenges the test engineer faces.

Diode lasers come in many different varieties and are available over a wide wavelength range. As of today, the most popular type of diode laser for most optical sensing applications is the ...

These solutions feature both quantum cascade laser (QCL) and tunable diode laser (TDL) technologies working in tandem, enabling detection of a multitude of gases.

Tunable Diode Laser Absorption Spectroscopy (TDLAS) is a sensitive detection method that uses a tunable laser diode to determine not only the existence, but also the concentration of a ...

This paper demonstrates scanned-wavelength tunable diode laser absorption spectroscopy (TDLAS) with a scan rate up to 2 MHz using a distributed feedback (DFB) diode laser.

OSI Laser Diode, Inc.'s (LDI) PINFET provides an excellent solution for optical receiver systems that require both high sensitivity and wide dynamic range. Applications include telecommunication line ...

In this review paper, the important advances in TDLAS detection sensitivity are discussed, including the selection of absorption lines, the improvement of diode lasers, the design of effective ...

In essence, laser photodetectors offer versatility and broad applicability, while laser photodiodes prioritize speed and exceptional sensitivity. Understanding their distinct strengths ...

915 nm laser diode : fiber coupled laser diodes from 300 mW singlemode up to 300 W multimode  
940 nm laser diode : fiber coupled laser diodes from 100 mW singlemode up to 200 W multimode



# Diode Laser Detection

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