Diode Laser Picosecond

Versatile picosecond pulsed diode lasers for industrial and scientific use. Reliable, maintenance-free, and flexible

The LDH Series offers a broad portfolio of picosecond pulsed diode laser heads spanning wavelengths from the UV to the NIR. Each diode laser head combines carefully matched drive electronics and ...

Extraordinary synchronization features with high resolution delay generator, internal frequency generation and user-selectable input and output signals make these lasers the most versatile laser ...

This article presents the electrical circuit, a description of the design, and results of measurements of the radiative watt-ampere and time characteristics of compact inexpensive emitters based on ...

Picosecond diode lasers use laser diodes that are driven by fast electrical pulses of high current. If the pulses are sufficiently steep the diode is emitting extremely short optical pulses.

DeltaDiode laser and LED sources offer plug and play ease of use while delivering excellent performance and reliability for the most demanding TCSPC experiments. With available wavelengths ...

Mode-locked diode lasers can produce pulses in the picosecond regime, with pulse durations typically ranging from a few picoseconds to femtoseconds. Due to the short laser resonators in diode lasers, ...

Picosecond Diode Lasers, Pico-LDs, are designed and manufactured by CrystaLaser in the USA. The lasers produce <80 ps short laser pulses with peak powers as high as 3 W.

Picosecond Diode Lasers with Driver: PICOPOWER(TM)-LD Series [Detailed Datasheet, PDF] The ALPHALAS PICOPOWER(TM)-LD Series of Picosecond Diode Lasers with Driver are available with ...

What are Picosecond Diode Lasers? There are two fundamentally different kinds of diode lasers (lasers based on laser diodes) which are made such that they do not emit light continuously, but rather in the ...

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