Visual Laser Diode VLD

More recently, the GaN laser diode (LD) with higher brightness, higher efficiency, higher coherence and broader modulation bandwidth than LED has emerged as the new-class transmitter for visible laser ...

By using the VLD biased at 122 mA (~3.5I th) to excite the LuAG:Ce/CASN:Eu phosphorous diffuser with 0.85-mm thickness, a warm white-light source with a CCT of 2700 K and a ...

Laser diodes have an advantage over LEDs in visible light communication. VLC has applications in underwater communication, vehicle-to-vehicle communications, among others.

Violet laser diode (VLD) based ultrahigh-speed free-space optical (FSO) system is demonstrated for point-to-point data transmission.

For compact ultrahigh-power lighting and high-speed optical wireless commu-nication (OWC) purposes, the red/green/violet laser diodes (R/G/V-LDs) mod-uled with specific Subminiature A (SMA) ...

The use of violet LD (VLD) for exciting the fluorescent phosphor would be helpful, which enables the generation of white light with larger luminous efficiency and CRI than that demonstrated by using the ...

Laser diodes continue to find new product applications as the lasing wavelength is pushed lower into the visible spectrum. The latest generation of Visible Laser Diodes (VLD s) operate at or near 635nm; ...

The VLD optimizes its bias current to 75 mA for achieving a data rate of 11.2 Gbit/s under PtP transmission over a 7-m free-space link, which allows a 16-QAM OFDM data bandwidth of 2.8 ...

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