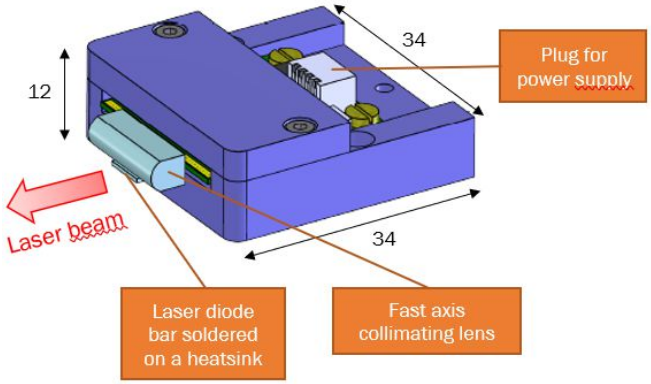
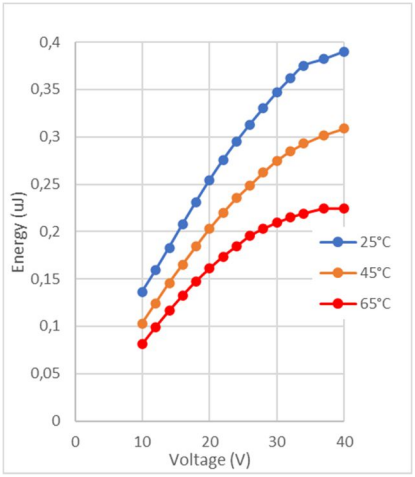
COMPACT 1550nm LASER DIODE ILLUMINATOR

« SELLING » STATEMENT:

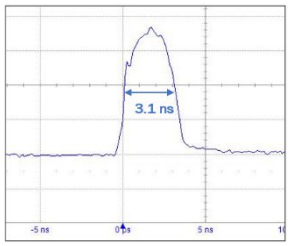
A competitive laser diode Source ideally suited for line scan LIDAR device topology (LRL) or flash Lidar (MRL) in eye-safe conditions



Diode illuminator integrated design enabling to achieve the required peak optical power in a pulse of 3 ns



Pulse energy at different temperatures



Optical pulse

KEY FEATURES

Competitive technical advantages
Cost efficient laser source
Ruggedized
Small size
Low consumption: electrical-to-optical conversion efficiency up to 20%
Easy maintenance on field

Achieved performances
3ns pulse width
500kHz maximum repetition rate
200W peak optical power

Exploitation
Strong potential for active imaging applications for security and defense market or any line scan LIDAR device topology (LRL) or flash Lidar (MRL)

Contacts : Hervé Moisan | email hmoisan[at]lumibird.com | www.vizta-ecsel.eu

This VIZTA (Vision, Identification, with Z-sensing Technologies and key Applications) project has received funding from the ECSEL Joint Undertaking (JU) under grant agreement No 826600. The JU receives support from the European Union's Horizon 2020 research and innovation programme and France, Sweden, Greece, Spain, United Kingdom, Germany, Luxembourg, Latvia, Hungary.
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