LidMe

Direct diode solution for Lidar and Illumination applications

- Small Form Factor
- Wide range of wavelengths options
- Plug&Play
- Customization options
- Optics add-on available

A “Plug&Play” direct diode solution with few unique characteristics to support your requirements for a short, precise and sharp signal.

Very short pulse (**nSec**), with short rise/fall time, which can be operated in a wide range of temperatures and comes a light-weight package, to allow an easy integration even in an exist environment.

This “Plug&Play” **LidMe** solution has been developed in order to allow a fast implementation and smooth adaptation to your necessities.

NO SMILE EFFECT

MACRO CHANNELS

EXTENDED LIFE-TIME

HIGH BRIGHTNESS

COOLING EFFICIENCY

MECHANICAL STRESS FREE

monocrom

High-level specifications

Typical applications:

- Lidar
- Gated Imaging
- Illumination
- Dazzling

LidMe module	pulsed direct diode module								
Wavelength [nm] [1]	808	915	940	980	1064	1470	1550	1970	2000
Peak power, QCW [kW] [2]	up to 3.0								
Repetition rate [Hz]	up to 200								
Pulse length [ns]	60 – 500								
Rise-/fall-time [ns]	< 35 / < 30								
Max duty cycle [%] [3]	0.5								
Electrical parameters									
Operating current [A]	0.1								
Operating voltage [V]	12								
Charging voltage [V] [4]	up to 195								
Electrical connection	power connector: 17883-4PG-300 signal connector: 16982-7PG-522								
Trigger input	5 V TTL @ 50 Ω								
Trigger signal duration	same as pulse length desired								
Optical parameters									
Clear aperture [mm]	44 × 20								
Horizontal divergence[°] [5]	10								
Vertical divergence [°] [5]	30								
Optional optics	FAC / BTS / SAC								
General parameters									
Weight [g]	350								
Housing dimension (w × h × l) [mm]	63 × 86 × 104								
Operating temperature [°C] [6]	non-condensing to 55								
Storage temperature [°C] [6]	between -10 and 60								
Lifetime [h]	20,000								
Laser class product (EN-60825)	4								

1. Available for all of these options

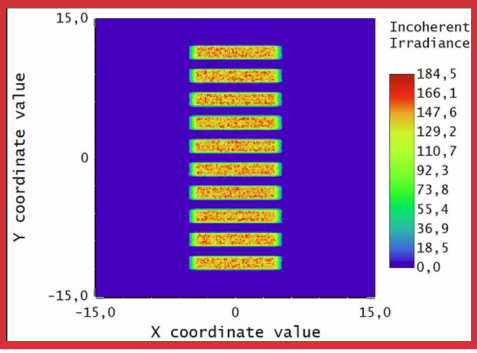
2. Wavelength dependant, figures are for less than 1060 nm

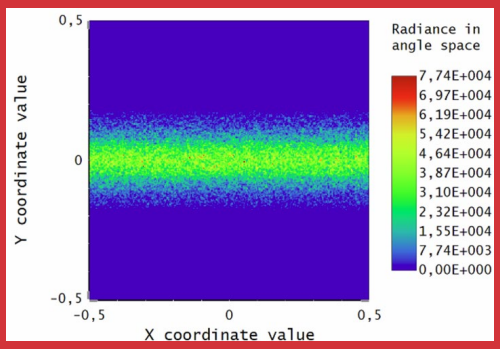
3. Can be optimised for the application

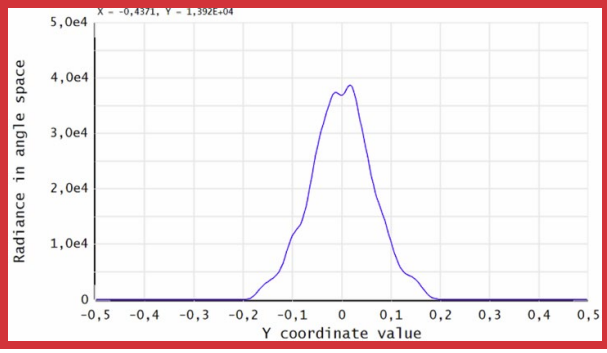
4. Depending on the application

5. 808 nm figures, will be different for other wavelengths

6. Can be optimised for the application







IR module with FAC

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