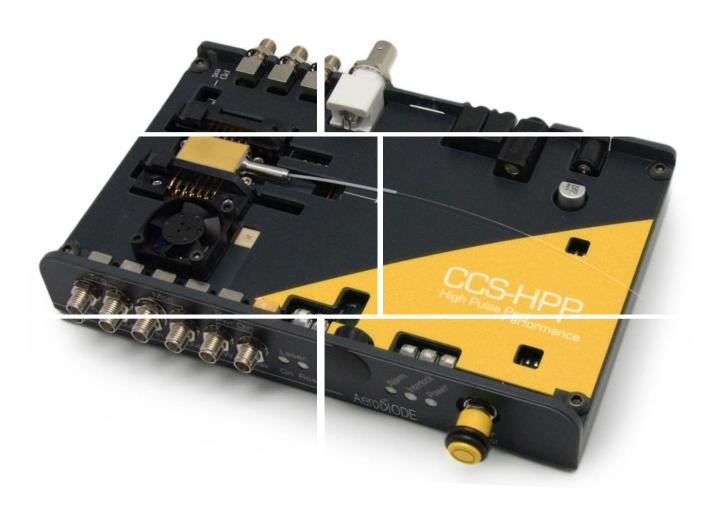
660nm Laser diodes & Turn-key solutions





660nm laser diode

Choose your own fiber-coupled laser diode + turn-key Driver solution

Standard singlemode laser diodes are offered as stock items or associated with a CW or pulsed open-frame or turn-key laser diode driver.

1st

Choose your laser diode:



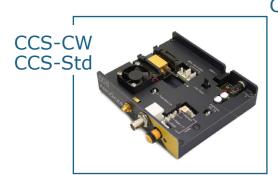


Diode model	Power (CW)	Power (Pulse)	Technology	Wavelength (nm)	Fiber core / NA	Emisison Bandwidth (typ)	Package
1	50mW	120mW	Butterfly singlemode	660 ± 10nm	Singlemode 3.5µ / 0.130	~1nm	14 pin Butterfly type 1
2	100mW	150mW	Fabry-Pérot				
3	10W	10W	Fabry-Pérot Multimode	665 ± 5nm	Multimode 106µm / 0.22	~3nm	80*48*16

3rd

Choose your product form factor: OPEN-FRAME or INTEGRATED

OPEN-FRAME VERSIONS:



> Open-frame driver for CCS-CW and CCS-std electronics Boards for single mode diodes driven in both CW and pulse mode



> Open-frame driver for «CCS-HPP» electronic Board for singlemode diodes driven in both CW and pulse mode (High Pulse Performance model)



» «SHAPER» Open-frame pulsed driver with «user design pulse shape»



LASER DRIVER VERSION:

	520nm Laser Diode version	CW Driver (for singlemode diodes: «CCS-CW» is the open driver and CCSI-CW is the inte- grated version)	Pulse & CW Driver (from 1ns to CW: «CCS- std» is the open driver and CCSI-std is the integrated version)	User design pulse shape Driver: « <u>SHAPER</u> » is the open driver and « <u>Shaper-l</u> » is the integrated version (from 0.5ns to 8µs)	Multimode diode Driber (High power driver for 10W diode: CCM is the open version, CCMI is the integrated version)		
	1 - Singlemode 50mW	50mW / No	50mW / 120mW	No / 120mW	Not compatible		
Output Power - CW / Pulse (Typical values)	2 - Singlemode 100mW	100mW / No	100mW / 150mW	No / 150mW	Not compatible		
	3 - Multimode 10W		10W / 10W				
Laser diode T°			15 - 40 °C				
Pulse duration (Ext. trigger)			0.5 ns - CW		10 µs - CW		
Pulse duration (Internal pulse generator)			0.5 ns - 500 ns	0.5 ns - 8 µs	No		
Typ rise/fall time; Min optical pulse duration (14 pin DIL package diodes)	Any	CW only	3(ns/A); 1.5ns	< 1ns/A; 1.5 ns	few µsec		
Internal rep rate adjustment			1 Hz - 4 MHz (250 MHz optional)	1 Hz - 20 MHz	No		
Temporal Jitter			< 25 ps	< 2 ns (<10 ps with clock synchroniza- tion)			
Interface/GUI/libraries		USB - Windows 10/11 - DLLs - Hexa/Linux - Labview - Python					

INTEGRATED VERSIONS:



➤ Integrated version for CCS-CW and CCS-Std (pulse & CW) electronic Boards



Integrated version for Shaper pulsed driver with «user-design pulse shape»



«CCMI» Integrated driver for Multimode diode



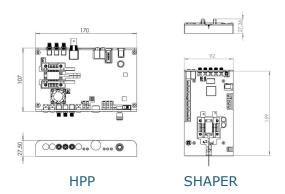
Technical Specifications

GUI (examples):





Mechanical (examples):



OPTIONS (see all prices on the website page):

- * PM fiber output
- * Optical collimator (3mm)



> Example of 10 ns and 100 ns pulse shapes obtained with CCS-HPP driver



➤ All AeroDIODE products can be connected together (daisy chain) to a unique GUI interface which consolidates all modules functions

Classification:

Name	660LD:			
Diode type	1: 25mW butterfly singlemode 2: 50mW butterfly singlemode 3: 10W multimode			
Driver Electro- nics :	O: No driver - laser diode alone 1: CCS-CW Driver (CW driver) 2: CCS-std Driver (Pulse & CW driver) HPP: Pulsed and CW Driver SHAPER: User design temporal pulse shape MMD: High power CCM(I) (for multimode diode)			
Form Factor	O: No driver - laser diode alone 1: Open-frame driver version 2: Turn-Key Integrated driver version			

Ordering information:

