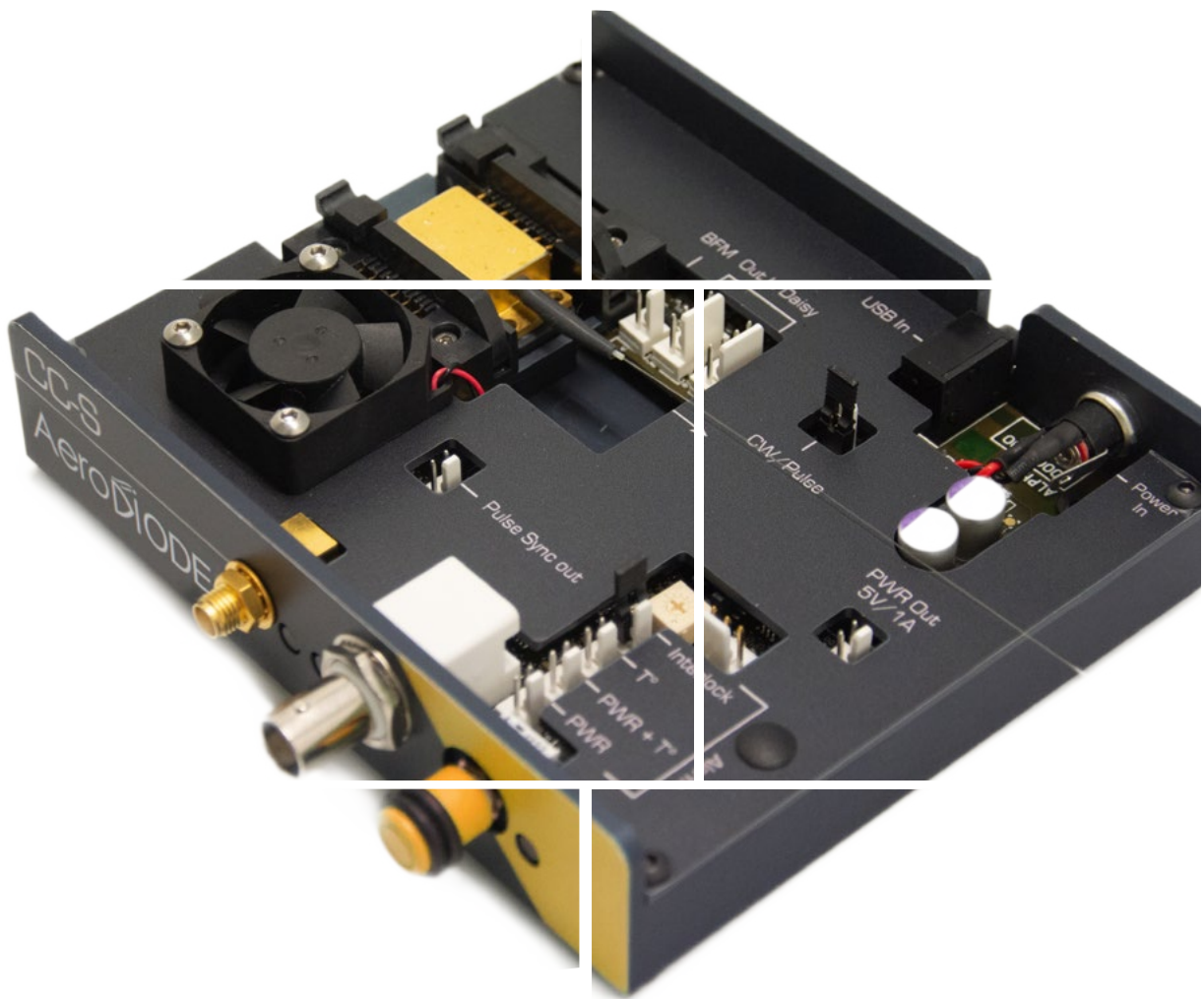


Laser diodes & Turn-key solutions from 1270 to 1650 nm

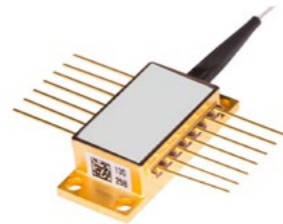


Aero **Di**ODE

Choose your own fiber-coupled DFB laser diode + turn-key driver solution from 1270 to 1650 nm

Standard singlemode DFB or Bragg laser diodes from 10 to 400 mW are sourced from the most reliable manufacturers and offered as stock items or associated with a CW or nanosecond pulsed turn-key driver.

1st Choose your laser diode :



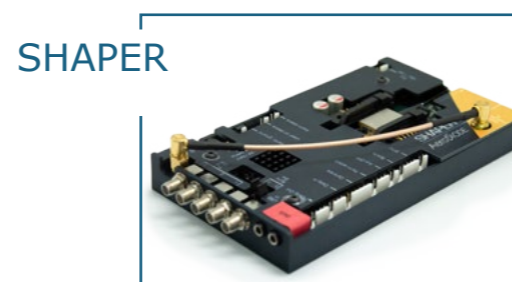
Diode type	Power (CW)	Power (Pulse)	Technology	Wavelength (nm)	Fiber	Emission Bandwidth (typ)	Package (mm)
1	10 mW	30 mW	Single mode DFB	Any wavelength between 1270 and 1650 nm	SMF or PM versions available	< 0.3 nm	14 pin Butterfly-type 1 pinning (type-2 available - DFB models only)
2	40 mW	120 mW					
3	100 mW	300 mW					
4	400 mW	1000 mW	Single mode + Bragg grating	Any wavelength between 1420 and 1500 nm	< 2 nm		

3rd Choose your product form factor : OPEN-FRAME or INTEGRATED

OPEN-FRAME VERSIONS :



> Open-frame driver for CW, std and HP electronics boards for single mode diodes



> Open-frame driver for «Shaper» electronic board and single mode diodes

INTEGRATED VERSIONS :



> Integrated version for CW, std and HP electronics boards

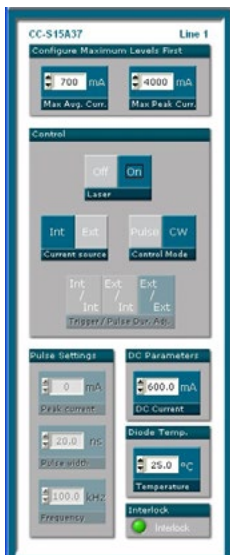
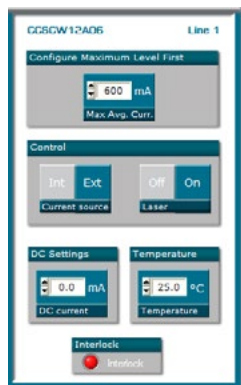


> Integrated version for Shaper electronics board

2nd Choose your Driver performance :

	LASER DIODE VERSION :	LASER DRIVER VERSION :			
		CW Driver (for singlemode diodes : «CCS-CW» is the open driver and CCSI-CW is the integrated version)	Pulse & CW Driver (from 1 ns to CW : «CCS» is the open driver and «CCSI» is the integrated version)	User design pulse shape Driver (From 0.5 ns to 8 µs : «SHA-PER» is the open driver and Shaper-i is the integrated version)	
Output Power - CW / Pulse (Typical values)	1- 10 mW	10 mW / No	10 mW / 30 mW	No / 100 mW	
	2- 40 mW	40 mW / No	40 mW / 120mW	No / 300 mW	
	3- 100 mW	100 mW / No	100 mW / 300 mW	No / 500 mW	
	4- 400 mW	400 mW / No	400 mW / 1000 mW	No / 400 mW	
User design Pulse shape	Any	No	No (On-Off only)	Yes	
Laser diode T°		15 - 50 C			
Pulse duration (Ext trigger)		CW only	0.5 ns - CW		0.5 ns - 8 µs
Pulse duration (Internal pulse generator)			0.5 ns - 500 ns		
Typ rise/fall time ; Min pulse duration			3 (ns/A) ; 1.5 ns		< 1ns/A ; 1.5 ns
Internal rep rate adjustment			1 Hz - 4 MHz (250 MHz optional)		1 Hz - 20 MHz
Temporal Jitter			< 8 ps		< 2 ns
Adj. CW offset (pulse regime)			Optional		No
Interface/GUI/libraries		USB - Windows 7/10 - DLLs - Hexa/Linux - Labview - Python			

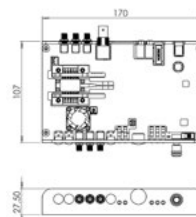
GUI (examples)



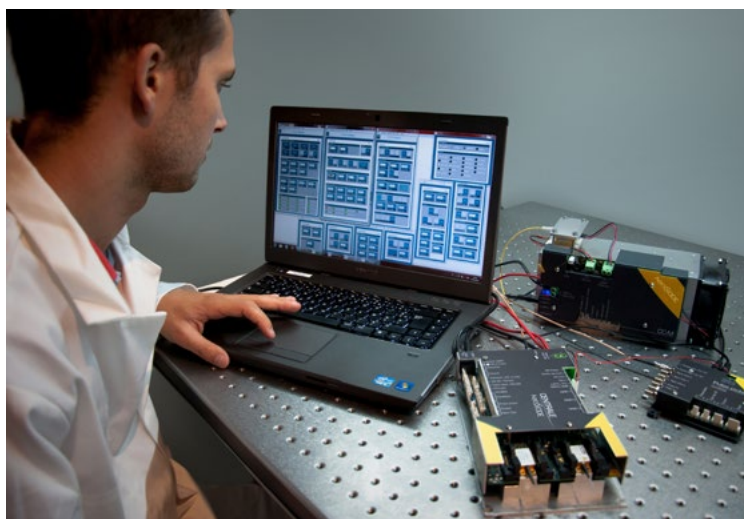
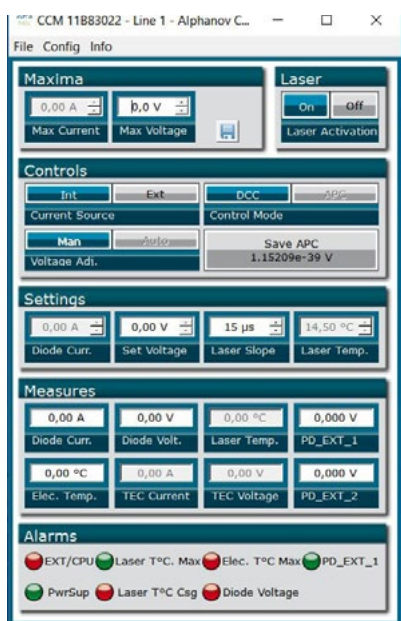
Mechanical (examples) :



CW & Pulsed



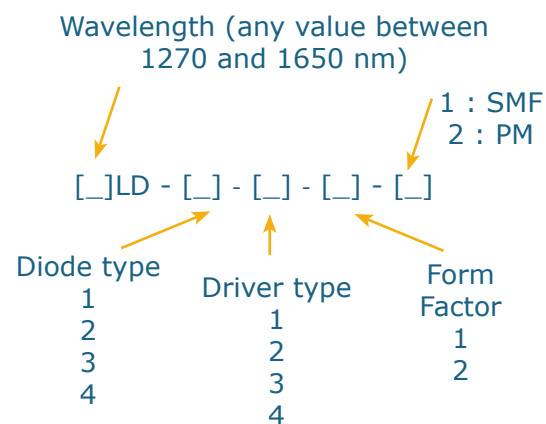
SHAPER



Classification :

Name	1550 LD :
Diode type	1: 10 mW DFB Butterfly singlemode 2: 40 mW DFB Butterfly singlemode 3: 100 mW DFB singlemode 4: 400 mW Bragg singlemode
Wavelength	Choose any wavelength between 1270 and 1650 nm (models 1-3) or between 1420 and 1500 nm (models 4)
Driver Electronics :	0 : Laser diode alone 1: CCS-CW (open driver for CW only) 2: CCS-std (Pulse and CW Driver) 3 : SHAPER (pulse only with user design pulse shape)
Form Factor	1: Open 2: Integrated

Ordering information :



Example : 1550LD-3-2-2 = 1550 nm 100 mW laser diode with a PM Panda fiber output, mounted on a «pulsed On/Off & CW» driver