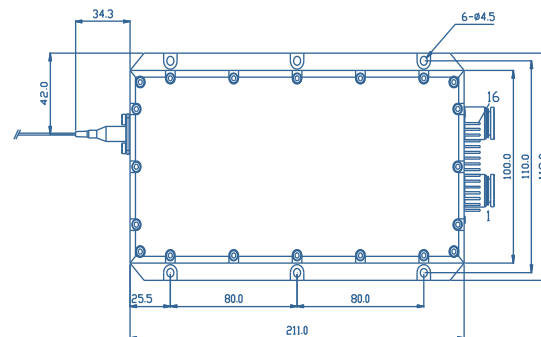
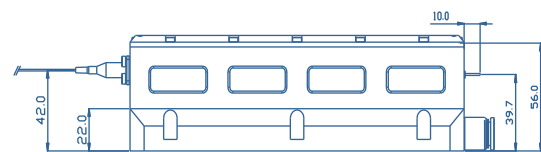
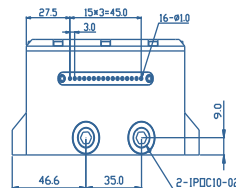


Model		M450±10-170-F100/22-V17-AP		
Optical	Units	Min	Typical	Max
Output Power (exit fiber)	W		170	190
Central Wavelength	nm	440	450	460
Spectral linewidth (FWHM)	nm		4.0	
Number of submodule	-		4	
Fiber				
Core Diameter	µm	97	100	103
Cladding Diameter	µm		500	
Numerical Aperture	-	0.20	0.22	0.24
Length	m		1 - 5	
Connector	-		SMA905 or LD80	
Electric (Submodule)				
Threshold Current	A		0.4	
Operating Current	A		3.2	3.5
Operating Voltage	V		52.6	54.0
Power Conversion Efficiency	%		25.0	
Options				
Thermistor	kΩ		10@25°C	
Aiming beam	-		650nm, 2mW	
Absolute Ratings				
Operating (Water) Temperature	°C		20 - 25	
Cooling Capacity	W		1 000	
Operating Humidity	%		< 75	
Storage Temperature	°C		-20 – +80	

* Measured on 20°C cooling plate

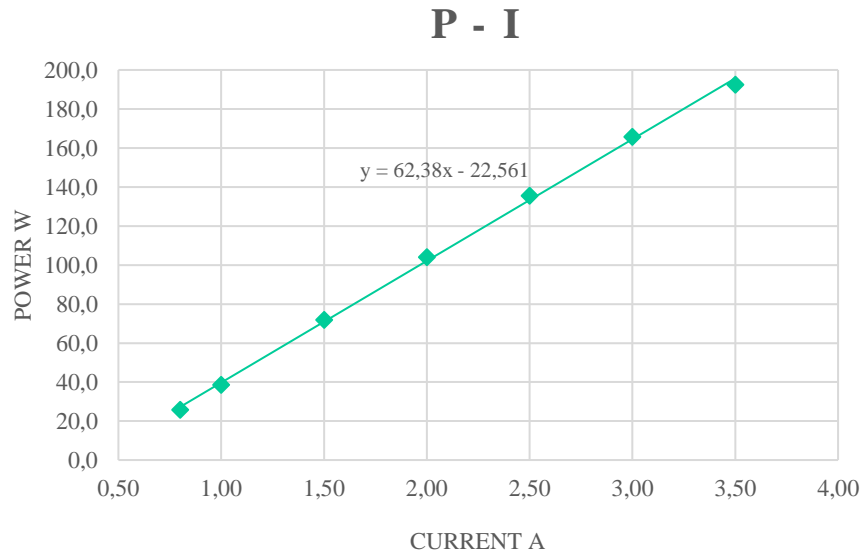


Pinout	Function	Pinout	Function
1	LD 1 Anode	9	Aiming +5V
2	LD 1 Cathode	10	Aiming GND
3	LD 2 Anode	11	Thermistor
4	LD 2 Cathode	12	Thermistor
5	LD 3 Anode	13	N.C.
6	LD 3 Cathode	14	N.C.
7	LD 4 Anode	15	PD Cathode
8	LD 4 Cathode	16	PD Anode

Compliance with Regulatory Requirements: This product is an OEM laser diode and is not certified in accordance with IEC 60825-1 or 21CFR1040.10/21CRR1040.11. As such, it is intended only for integration into a laser product certified by the Purchaser. The Purchaser acknowledges that their products must comply with the applicable regulations before it can be sold.



P – I measurement



Spectrum (submodule)

