PHOTONTEC BERLIN

PRODUCT SPECIFICATIONS

Features:

- Wavelength: 520±10nm
- Output power: 30W CW
- Fiber receptacle: FSMA
- Fiber core diamter: 200µm
- Numerical aperture: 0.22
- Accessories: thermistor, photodiode, red aiming
- Cooling: water (water plate integrated)

Model		**M520±10-30-D200/22-V5W-AP**		
Optical	**Unit**	**Min**	**Typical**	**Max**
Output power (exit fiber)	W		30	
Centroid wavelength	nm	510	520	530
Spectral width (FWHM)	nm			10.0
Number of optical submodule	-		2	
Fiber Receptacle				
Core diameter	µm		200	
Numerical aperture	-		0.22	
Connector	-		SMA905	
Electric (series connection of 2 submodules)				
Threshold current	A		0.2	0.25
Operating current	A		1.5	2.0
Operating voltage	V		120	123
Slope efficiency	W/A		23,6	
Power conversion efficiency	%		17,0	
Accessories				
Thermistor resistance at 25°C	kΩ		10k	
Red aiming wavelength	nm		650±10	
Red aiming power	mW		2	
Absolute Ratings				
Cooling water temperature	°C		20 - 25	
Cooling water flow	l/min		>4.0	
Operating humidity	%		< 75	
Storage temperature	°C		-20 – +80	
Storage humidity	%		90	

Regulatroy Compliance This product is an OEM fiber-coupled semiconductor diode laser module intended solely for integration into other equipment or laser systems. It is not supplied as a complete laser system and is not certified by the manufacturer as a finished laser product in accordance with IEC 60825-1 or the applicable FDA/CDRH laser product performance requirements of 21 CFR 1040.10 and 1040.11.

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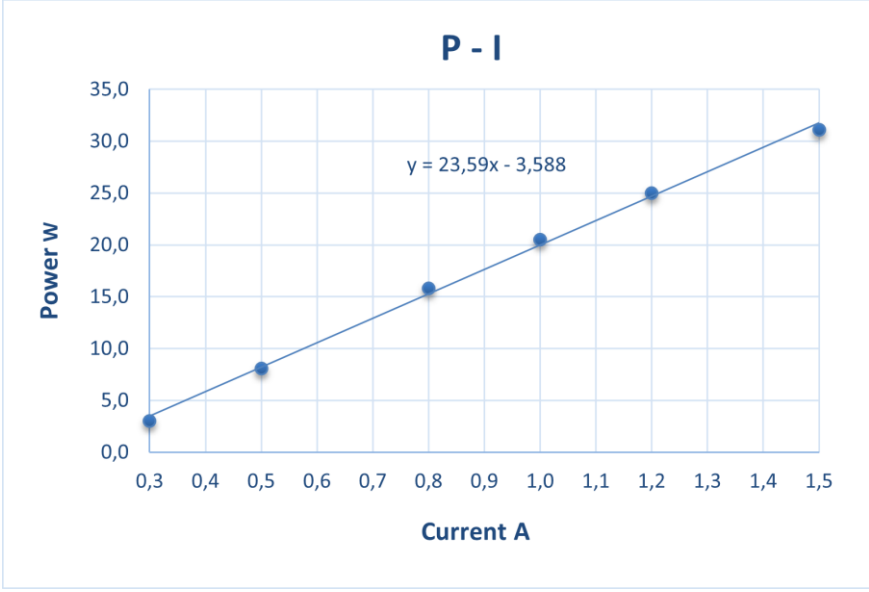
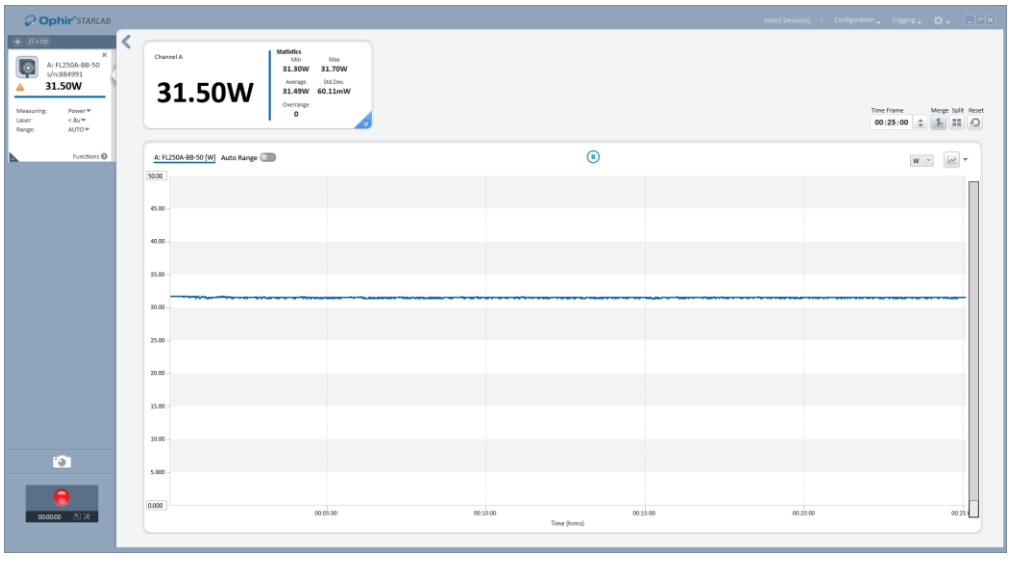
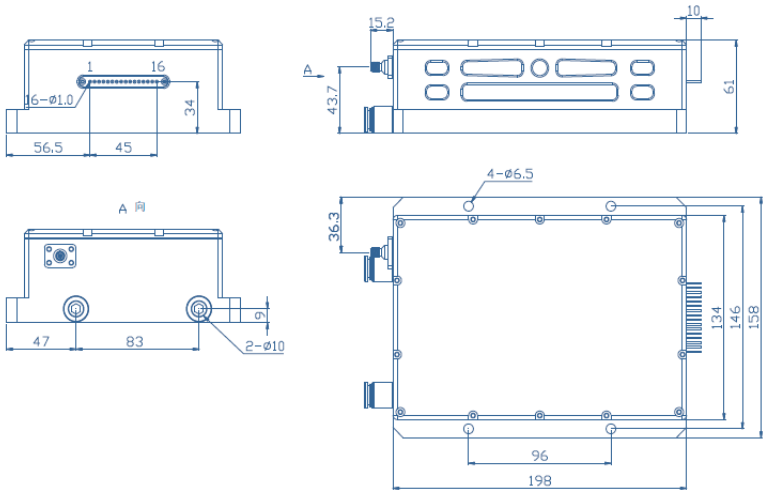
PRODUCT SPECIFICATIONS





1	LD 1 Anode	9	Aiming +5VDC
2	LD 1 Cathode	10	Aiming GND
3	LD 2 Anode	11	Thermistor
4	LD 2 Cathode	12	Thermistor
5	NC	13	NC
6	NC	14	NC
7	NC	15	Photodiode N
8	NC	16	Photodiode P



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AVOID EYE OR SKIN EXPOSURE TO
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