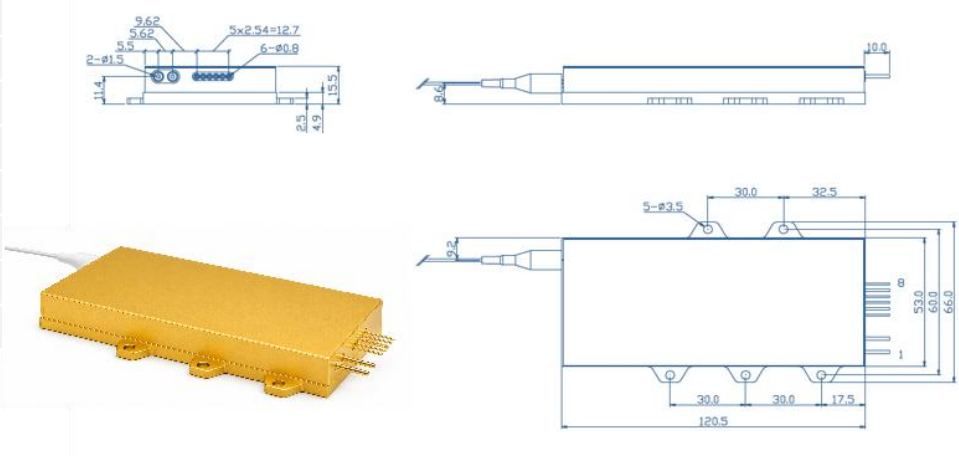
PHOTONTEC BERLIN

SPECIFICATIONS SHEET

Model			M793±3-135-F135/22-DK	
Optical	**Unit**	**Min**	**Typical**	**Max**
Output Power (exit fiber)	W		130	135
Central Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm			3.0
NA with 95% Encircled Energy				0.18
Wavelength Temp. Coefficient	nm/°C		0.35	
Fiber				
Core Diameter	µm	133.5	135	136.5
Cladding Diameter	µm		155	
Numerical Aperture	-		0.22	
Length	m		2.0	
Connector (optional)	-		SMA905	
Electric				
Threshold Current	A		1.4	1.5
Operating Current	A		9.0	10.0
Operating Voltage	V		32.6	33.0
Slope Efficiency	W/A		17.5	
Power Conversion Efficiency	%		44	
Back Reflection Isolation				
Wavelength range	nm		1800 - 2100	
Attenuation	dB		>30	
Accessories				
Thermistor Resistance at 25°C	kΩ		10	
Absolute Ratings				
Operating (Thermistor) Temperature	°C		20 – 35	
Operating Humidity	%		< 75	
Storage Temperature	°C		-20 – +80	

1	Laser Diode Anode
2	Laser Diode Cathode
3	NC
4	NC
5	PD Cathode
6	PD Anode
7	Thermistor
8	Thermistor



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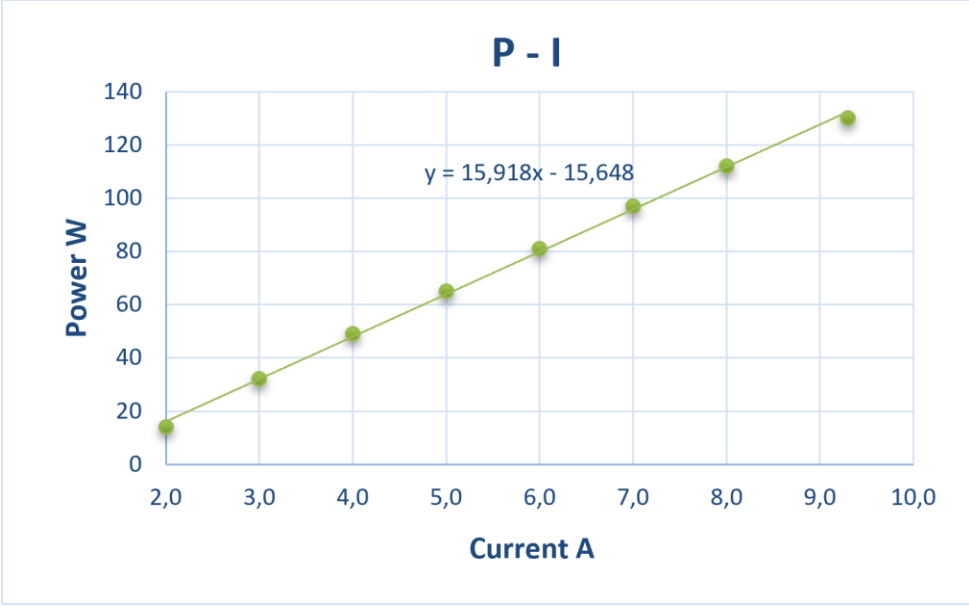
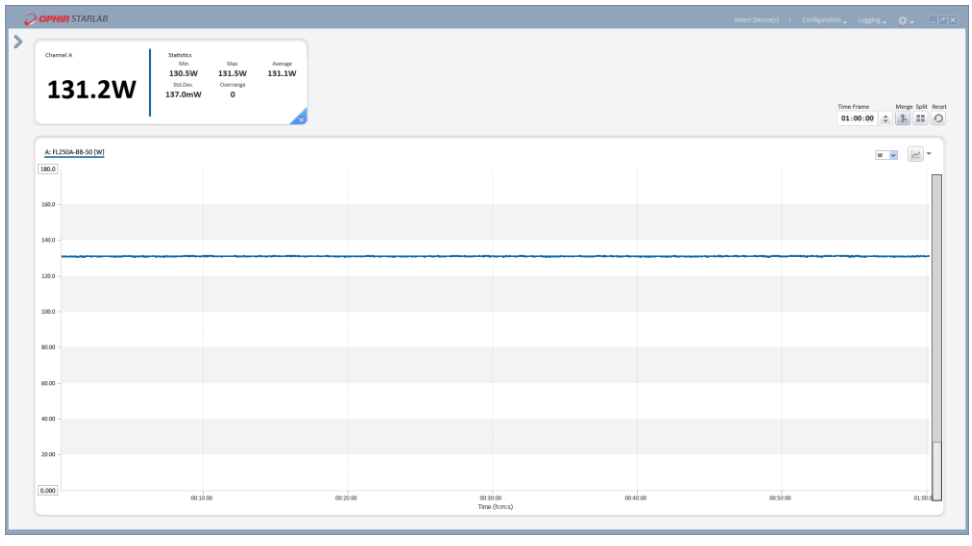
LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT





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.

The manufacturer of the equipment or system incorporating this OEM laser module is responsible for determining the applicable laser classification and for ensuring that the completed product complies with all applicable safety, labeling, protective-feature, certification, reporting, and other regulatory requirements.

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