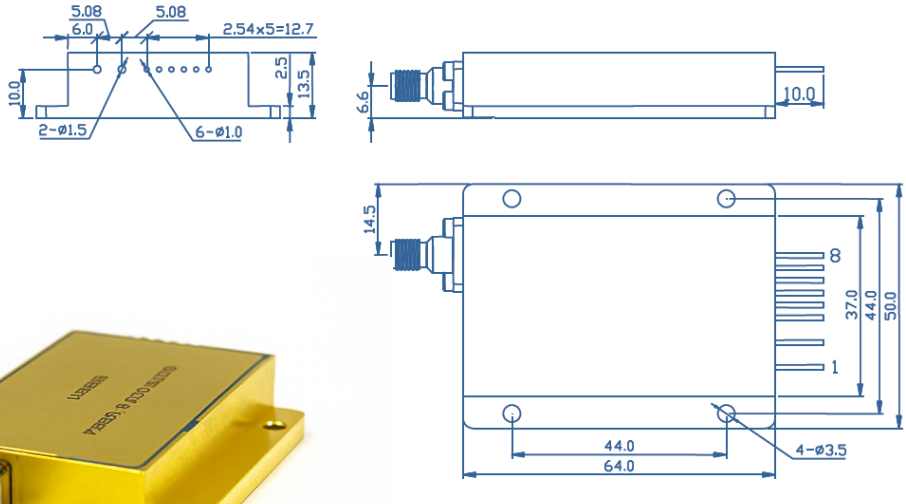
PHOTONTEC BERLIN

PRODUCT SPECIFICATIONS

Model			M980±10-50-D200/22-C5-AP	
Optical	**Unit**	**Min**	**Typical**	**Max**
Output Power (exit fiber)	W	45	50	
Wavelength Peak	nm	970	980	990
Spectral width (FWHM)	nm			6.0
Fiber Receptacle				
Core Diameter	µm		200	
Numerical Aperture	-		0.22	
Connector	-		SMA905	
Electric				
Threshold Current	A		0.6	
Operating Current	A		10.0	10.5
Operating Voltage	V		9.67	9.77
Slope Efficiency	W/A		5.3	
Power Conversion Efficiency	%		52.0	
Accessories				
Thermistor	kΩ		10k@25°C	
Red Aiming	-		650nm/2mW	
Other Parameters				
Operating (Thermistor) Temperature	°C		25 - 35	
Operating Humidity	%		< 75	
Storage Temperature	°C		-20 – +80	
Soldering Temperature	°C		250 (10s)	

1	LD Anode
2	LD Cathode
3	Red (+5VDC)
4	Red (GND)
5	PD Cathode
6	PD Anode
7	Thermistor
8	Thermistor



Compliance with Regulatory Requirements: This industrial laser is an OEM version of a laser diode. As such, it is intended only for integration into other equipment. This laser does not comply with IEC and CDRH requirements. The customer is responsible for IEC and CDRH certifications of the system that incorporates this industrial laser.

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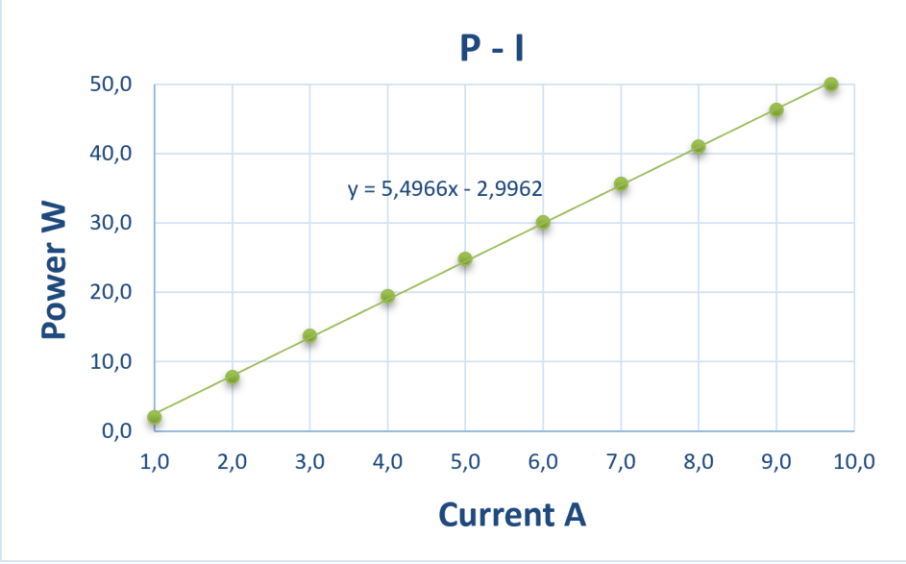

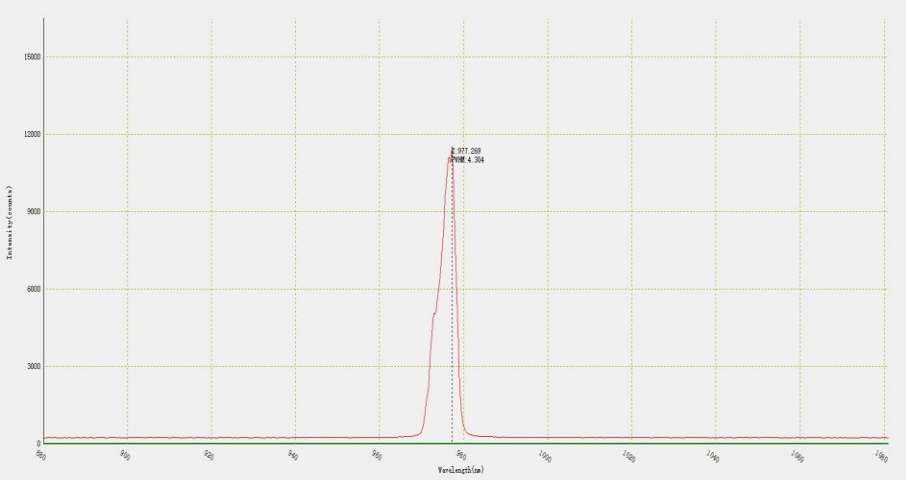

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