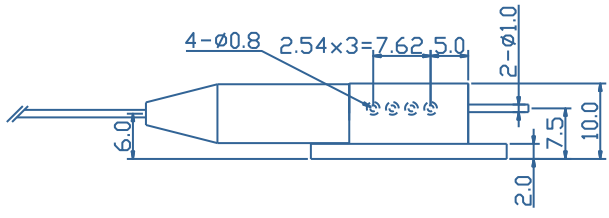
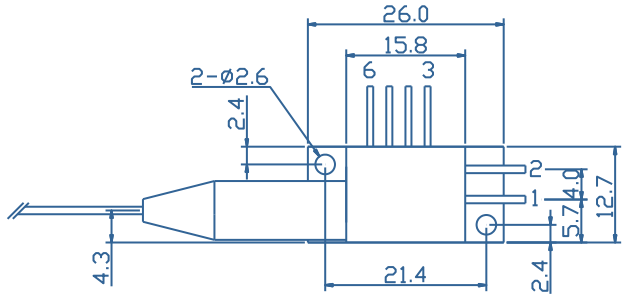
PHOTONTEC BERLIN

PRODUCT SPECIFICATIONS

Model		M1550±10-3-F105/22-T1-P		
Optical	**Unit**	**Min**	**Typical**	**Max**
Output power	W		3	
Central wavelength	nm	1540	1550	1560
Spectral width (FWHM)	nm			10.0
Wavelength temp. coefficient	nm/°C		0.3	
Fiber Pigtail				
Core diameter	μm	102	105	108
Cladding diameter	μm	122	125	128
Numerical aperture	-	0.20	0.22	0.24
Connector (optional)	-		SMA905, FC/PC	
Electric				
Threshold current	A		0.7	
Operating current	A		9.0	
Operating voltage	V		1.68	
Slope efficiency	W/A		0.38	
Electrical-to-Optical efficiency	-		20	
Accessories				
Thermistor resistance	Ω		10k@25°C	
Photodiode current	μA	100		1000
Absolute Ratings				
Operating temperature (thermistor)	°C	15		35
Operating humidity	%			75
Storage temperature	°C	-20		80
Soldering temperature	°C		250 (10s)	





1	LD Anode
2	LD Cathode
3	Thermistor
4	Thermistor
5	PD Cathode
6	PD Anode

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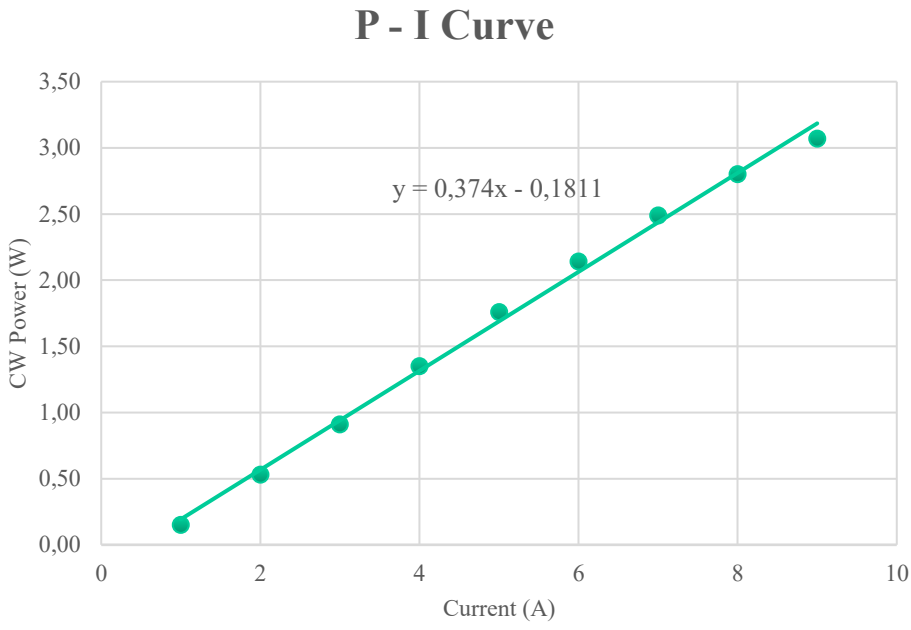
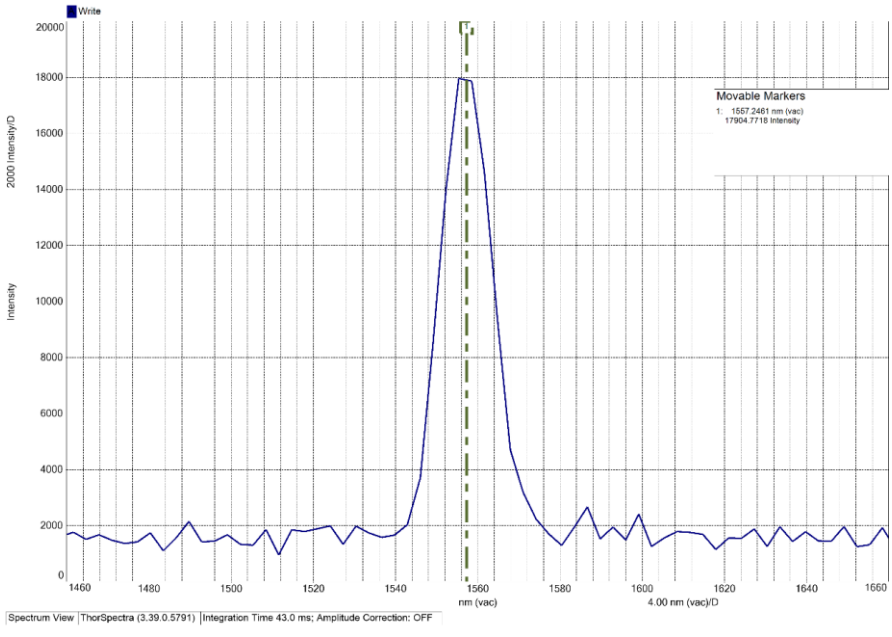
LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT





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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