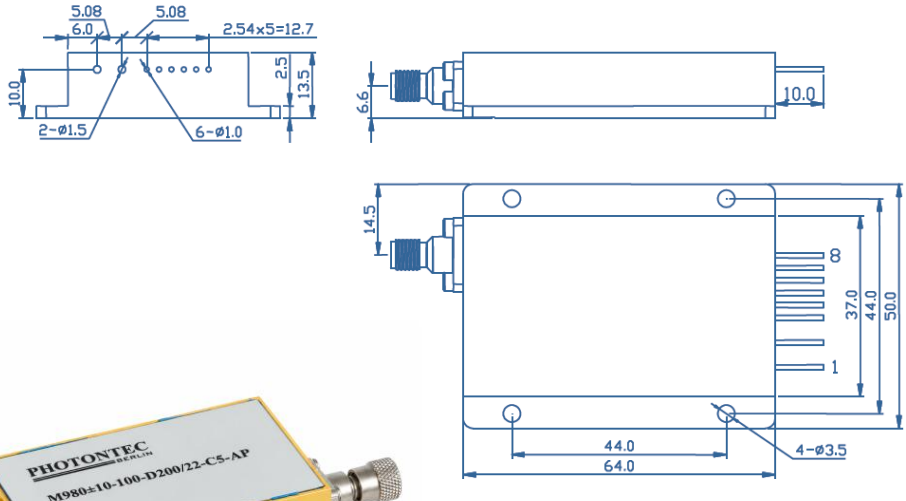
PHOTONTEC BERLIN

# PRODUCT SPECIFICATIONS

| Model | | | M980±10-100-D200/22-C5-AP | |
|---|---|---|---|---|
| **Optical** | **Unit** | **Min** | **Typical** | **Max** |
| Output power (exit fiber) | W | | 95 | 100 |
| 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 | | 1.1 | |
| Operating current | A | | 15.0 | |
| Operating voltage | V | | 13.5 | |
| Slope efficiency | W/A | | 7.2 | |
| Power conversion efficiency | % | | 47 | |
| **Accessories** | | | | |
| Thermistor | - | | 10kΩ@25°C | |
| Red aiming | - | | 650nm/2mW | |
| **Absolute Ratings** | | | | |
| Thermistor temperature | °C | | 25 - 35 | |
| Operating humidity | % | | < 75 | |
| Storage temperature | °C | | -20 – +80 | |

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



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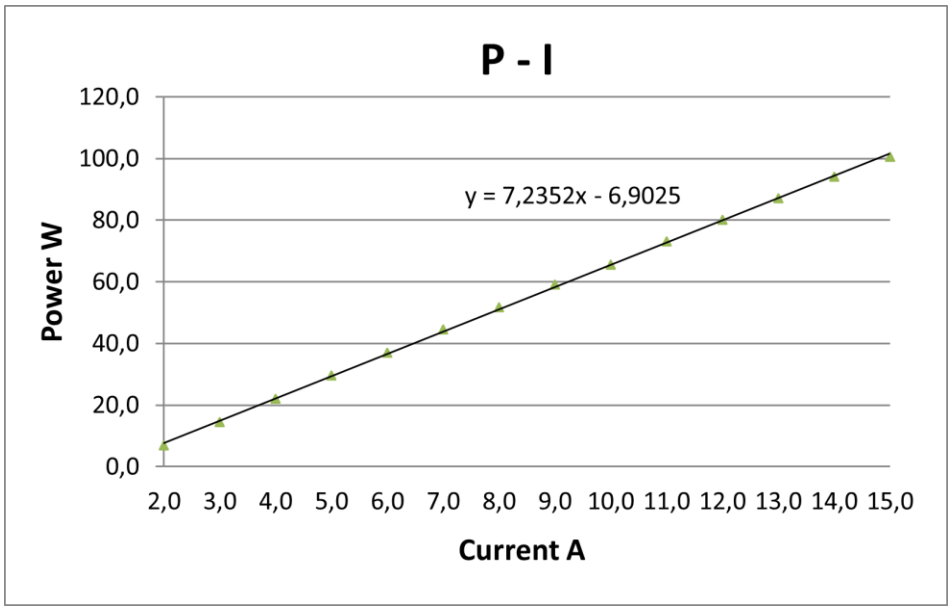
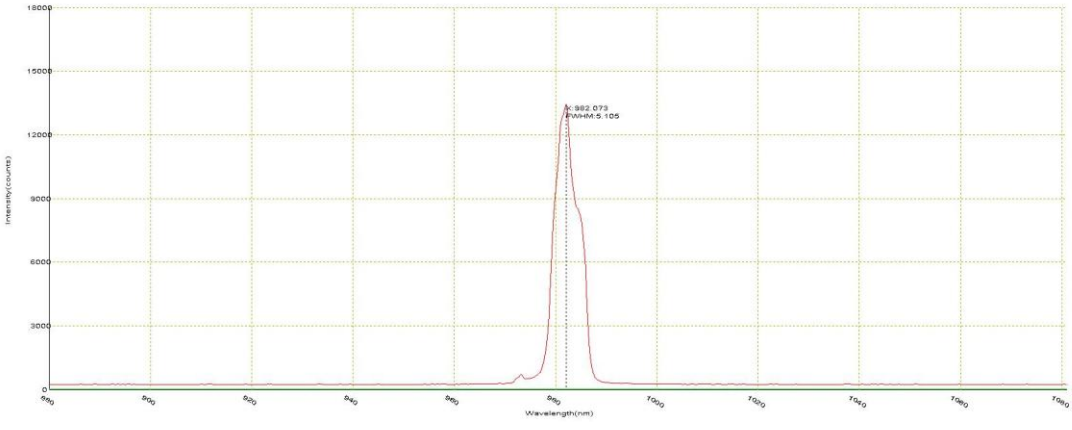
LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT



**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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