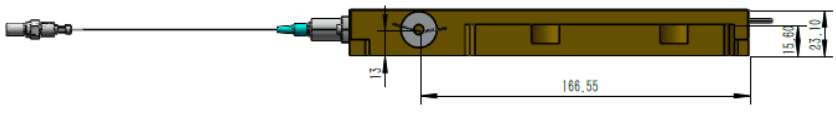
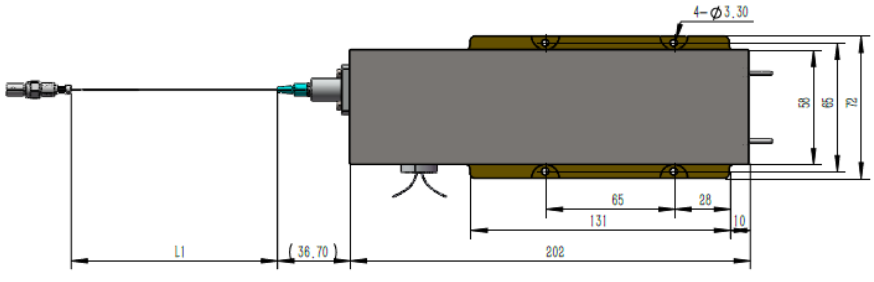
PHOTONTEC BERLIN

# PRODUCT SPECIFICATIONS

| Model | | | M980±10-540-F200/22 | |
|---|---|---|---|---|
| **Optical** | **Unit** | **Min** | **Typical** | **Max** |
| Output Power (exit fiber)* | W | 500 | 540 | |
| Central Wavelength | nm | 970 | 980 | 990 |
| Spectral Width (FWHM) | nm | | | 10.0 |
| 95% Energy Inclosed NA | _ | | 0.18 | |
| Wavelength Temp. Coefficient | nm/°C | | 0.35 | |
| **Fiber Pigtail** | | | | |
| Fiber Core | µm | 196 | 200 | 204 |
| Fiber Cladding Diameter | µm | 216 | 220 | 224 |
| Numerical Aperture | _ | 0.20 | 0.22 | 0.24 |
| Length | m | 1 | | 5.0 |
| Connector | | | HP-SMA or LD80 (air or water-cooled) | |
| **Electric** | | | | |
| Threshold Current | A | | 1.2 | |
| Operating Current | A | | 25.0 | 26.0 |
| Operating Voltage | V | | 41.0 | 43.0 |
| Slope Efficiency | W/A | | 25.3 | |
| Power Conversion Efficiency | % | | 13.5 | |
| **Accessories (optional)** | | | | |
| Thermistor | _ | | 10k NTC | |
| Aiming Beam Wavelength | nm | | 630 - 660 | |
| **Absolute Ratings** | | | | |
| Operating Temperature (Thermistor) | °C | | 25 – 40 | |
| Operating Humidity | % | | < 75 | |
| Storage Temperature | °C | | -20 – +80 | |
| Pin Soldering Temperature | °C | | 260 (10s) | |

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