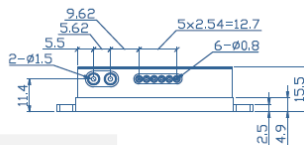
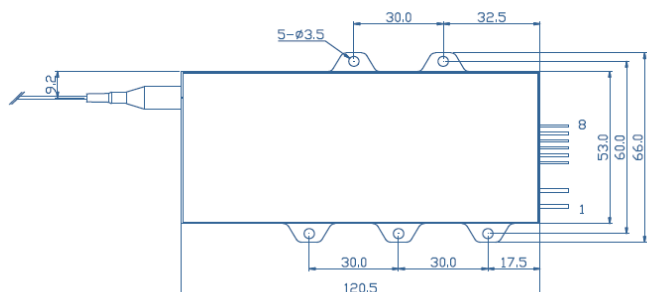


| Model                          |       | M808±10-120-F200/22-DK-P |           |       |
|--------------------------------|-------|--------------------------|-----------|-------|
| Optical                        | Unit  | Min                      | Typical   | Max   |
| Output Power                   | W     |                          | 110       | 120   |
| Central Wavelength             | nm    | 798                      | 808       | 818   |
| Wavelength Temp. Coefficient   | nm/°C |                          | 0.35      |       |
| Wavelength Current Coefficient | nm/A  |                          | 0.8       |       |
| Fiber Pigtail                  |       |                          |           |       |
| Fiber Core Diameter            | μm    | 196                      | 200       | 204   |
| Fiber Cladding Diameter        | μm    | 216                      | 220       | 224   |
| Numerical Aperture             |       | 0.20                     | 0.22      | 0.24  |
| Bare Fiber Length              | m     |                          | 2         | 5     |
| Fiber Connector (optional)     | -     |                          | HP-SMA905 |       |
| Electric                       |       |                          |           |       |
| Threshold Current              | A     |                          | 1.2       |       |
| Operating Current              | A     |                          | 8.0       | 8.4   |
| Operating Voltage              | V     |                          | 32.6      | 32.70 |
| Slope Efficiency               | W/A   |                          | 17.4      |       |
| Power Conversion Efficiency    | %     | 42                       | 44        |       |
| Accessories                    |       |                          |           |       |
| Thermistor                     | kΩ    |                          | 10@25°C   |       |
| Red aiming (optional)          |       |                          | 2mW       |       |
| Absolute Ratings               |       |                          |           |       |
| Operating Temperature (NTC)    | °C    |                          | 25 – 35   |       |
| Operating Humidity             | %     |                          | < 75      |       |
| Storage Temperature            | °C    |                          | -20 – +80 |       |
| Soldering Temperature          | °C    |                          | 260 (10s) |       |



|   |            |
|---|------------|
| 1 | LD anode   |
| 2 | LD cathode |
| 3 | NC         |
| 4 | NC         |
| 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.



