



Features

- 792, 808, 888, 976, 1320, 1470, 1532, 1920 nm
- Custom Wavelengths available
- Conduction cooled
- Detachable fiber available
- Cladding free power
- Dichroic filter protection available
- Integrated water-cooled plate

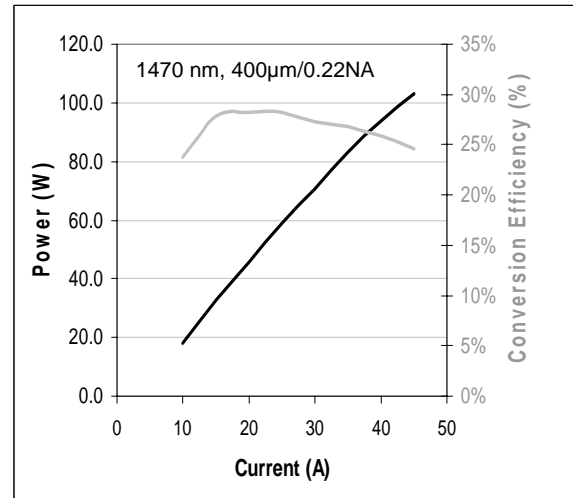


Applications

- Laser pumping: Fiber lasers, Solid state lasers
- Materials processing: Marking, Soldering, Welding, Engraving
- Medical: Dental, Ophthalmology, Therapeutic, Surgical
- Defense: Target illumination, High energy laser pumping

Benefits

- Low power consumption
- Compact
- Long lifetime
- High efficiency
- Long working distance and sharper features



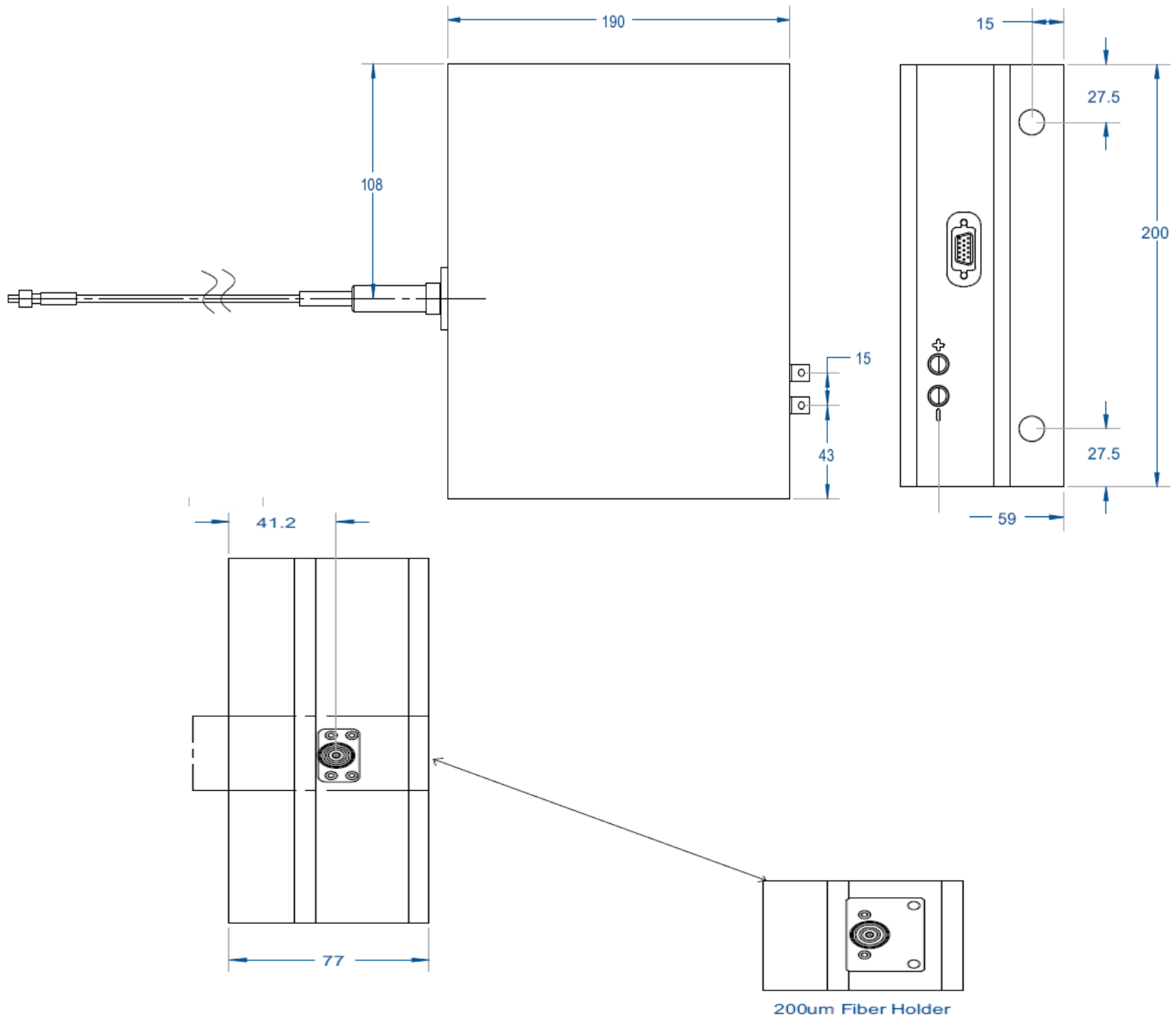
| Model Number | 6407-0000 | 6408-0000 | 6408-0004 | 6409-0000 | 6409-0002 | 6414-0002 | 6414-0001 | 6419-0000 |
|-------------------------------|-------------------------|------------|------------|------------|------------|-------------|-------------|-------------|
| Output power | 200 W | 200 W | 250 W | 250 W | 425 W | 35 W | 110 W | 35 W |
| Operating current | < 60 A | < 60 A | < 64 A | < 64 A | < 100 A | < 38 A | < 60 A | < 65 A |
| Operating voltage | < 15 V | < 11 V | < 15 V | < 12.5 V | < 13 V | < 5 V | < 10 V | < 10 V |
| Typical efficiency % | 28 | 37 | 30 | 34 | 40 | 21 | 20 | 10 |
| Center wavelength | 792 nm | 808 nm | 888 nm | 976 nm | 976 nm | 1470 nm | 1470 nm | 1920 nm |
| Wavelength tolerance | ± 3.0 nm | ± 5.0 nm | ± 3.0 nm | ± 3.0 nm | ± 5.0 nm | ± 10.0 nm | ± 10.0 nm | ± 25.0 nm |
| Spectral width (FWHM) | <6 nm | < 8 nm | < 7 nm | < 7 nm | < 12 nm | < 20 nm | < 20 nm | < 25 nm |
| Wavelength temp. coefficient | < 0.3nm/°C | < 0.3nm/°C | < 0.3nm/°C | < 0.3nm/°C | < 0.3nm/°C | < 0.45nm/°C | < 0.45nm/°C | < 0.45nm/°C |
| Operating temp. (Baseplate) | 20°C | 20°C | 20°C | 20°C | 20°C | 20°C | 20°C | 20°C |
| Fiber core diameter (nominal) | 400 µm | 400 µm | 400 µm | 400 µm | 800 µm | 200 µm | 400 µm | 600 µm |
| Fiber NA (nominal) | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| Fiber length | 2 m | 2 m | 2 m | 2 m | 2 m | 2 m | 2 m | 2 m |
| Fiber output connector | SMA | SMA | SMA | SMA | SMA | SMA | SMA | SMA |
| Water Flow Capacity | 3 L/min | 3 L/min | 3 L/min | 3 L/min | 3 L/min | 3 L/min | 3 L/min | 3 L/min |
| Module size (L x W x H) | 200 mm x 190 mm x 77 mm | | | | | | | |

Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation.

Laser Operations LLC

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Breaking Performance Barriers through Semiconductor Laser Innovation

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