

## BrightLock<sup>®</sup> Ultra-500

### Features

- 795, 880, 976, 1532, 1908 nm
- Custom Wavelengths available
- Detachable fiber available
- Cladding free power
- Internal gratings for higher spectral brightness and wavelength stabilization
- Dichroic filter protection available
- Integrated water-cooled plate

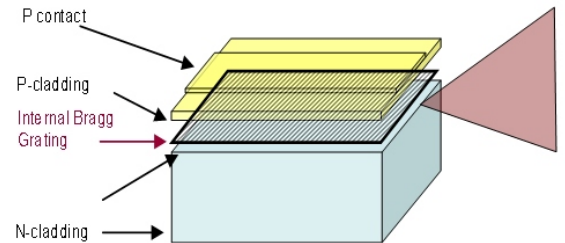


### Applications

- High performance pumping of solid state and fiberlasers
- Materials processing: Soldering, Plastic welding
- Medical: Rb vapor pumping, Spectroscopy

### Benefits

- Athermal pumping
- Reduced system cooling cost and complexity
- Enhanced pump absorption and conversion efficiency
- Relaxed temperature control requirements

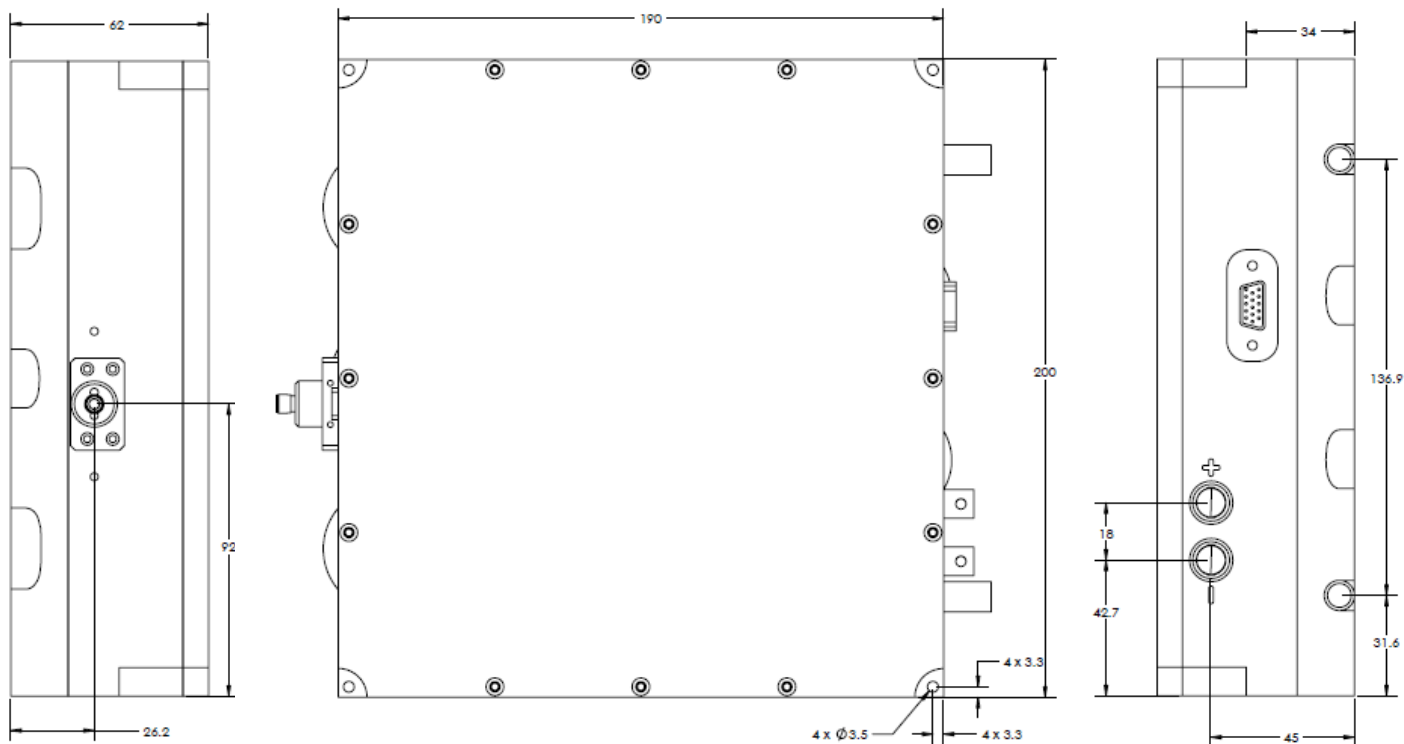


Specification	Units	6507- Z002	6508-0001	6508- Z002	6515-0000	6519-0002	6519-0004
Output Power (Pop)	W	200	350	200	90	40	60
Operating Current (Iop)	A	< 50	<80	< 50	< 55	< 50	<50
Operating Voltage (Vop)	V	< 15	<15	< 15	< 11	< 10	<13
Center Wavelength	nm	794.7	880	894.3	1532	1908	1908
Center Wavelength Tolerance	nm	± 0.3	± 1	± 0.3	± 2	± 2	± 2
Spectral Width (Max)	nm	< 0.4	<2	< 0.4	< 4	< 3	< 4
Wavelength Coefficient of Temp	nm/° C	0.08	0.08	0.08	0.15	0.15	0.15
Operating Temperature (Top)	° C	20	20	20	20	20	20
Fiber Core Diameter	um	800	800	800	400	600	600
Fiber Core Numerical Aperture	No Units	0.22	0.22	0.22	0.22	0.22	0.22
Fiber Length	m	0.051	2	0.051	2	2	2
Fiber Output Connector	No Units	SMA	SMA	SMA	SMA	SMA	SMA
Chiller Flow Capacity	l/min	> 3	> 3	>3	> 3	> 3	> 3

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

For reference only. Product specifications may change without notice.

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Pin number	Assignment
1	Thermistor
2	Thermistor
3	Not used
4	Not used
5	Optional MPD +
6	Optional MPD -
7	Not used
8	Not used
9	Not used
10	Not used
11	Not used
12	Not used
13	Not used
14	To Optional Aiming Beam 5V DC output “+”
15	To Optional Aiming Beam 5V DC output “-”

