

## BrightLase<sup>®</sup> or BrightLock<sup>®</sup> Ultra-200

### Features

- 803, 915, 976, 1320, 1470, 1532 nm
- Custom Wavelengths available
- Detachable fiber 200µm, 400µm and 600µm
- Dichroic filter protection available
- Cladding-free power
- Conductively cooled package
- Thermistor Standard
- Aiming Beam, photodiode (Option)
- DB15 Connector interface



### Applications

- High performance pumping of solid state and fiber lasers
- Materials processing: Soldering, Plastic welding
- Medical: surgery

### Benefits

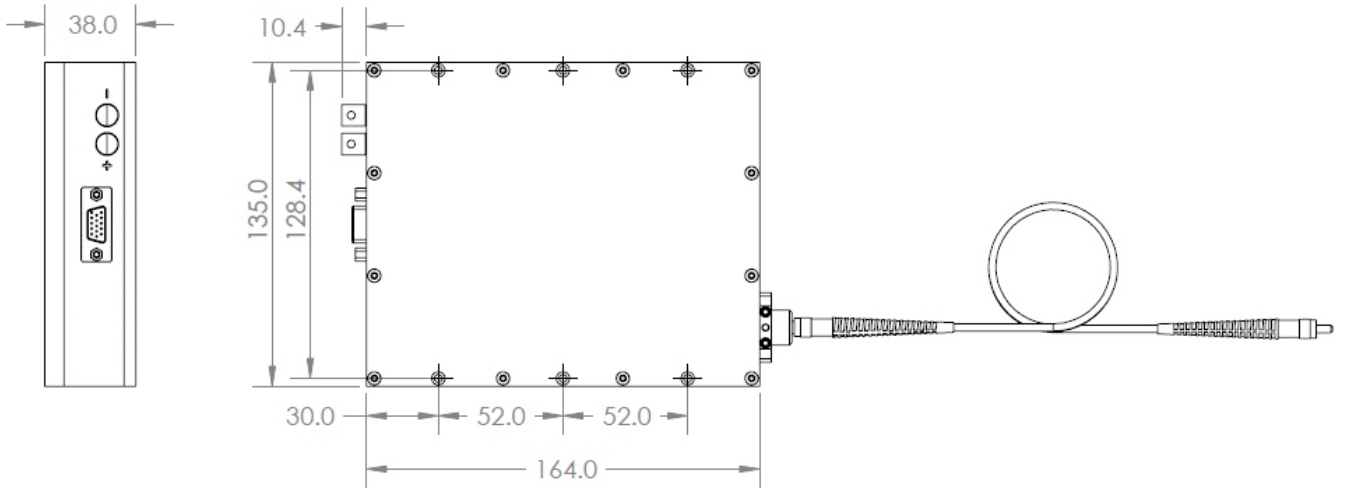
- Compact
- Long lifetime
- High efficiency
- Insensitivity to back-reflection for materials processing

Specification	Units	7808-0002	7709-0004	7709-0003	7713-0000	7714-0005	7815-0002
Output Power (Pop)	W	120	200	200	60	45	35
Operating Current (Iop) (Max)	A	<60	<75	<75	<55	<50	<42
Operating Voltage (Vop) (Max)	V	<8	<6.5	<6.5	<5.5	<5.5	<5.5
Center wavelength	nm	803	915	976	1318	1470	1532
Center Wavelength Tolerance	nm	± 1	± 5	± 10 (± 5)	+15/-10	± 1	± 2
Spectral Width (Max)	nm	<1	<6	<10 (<5)	<20	<10	<2
Wavelength Coefficient of Temp	nm/° C	0.08	0.3	0.3	0.45	0.5	0.15
Operating Temperature (Top)	° C	20	25	25	20	20	20
Fiber Core Diameter	um	600	200	200	400	200	200
Fiber Core Numerical Aperture	No Units	0.22	0.22	0.22	0.22	0.22	0.22
Fiber Length	m	2	2	5	2	2	2
Fiber Output Connector	No Units	SMA	SMA or Bare	SMA or Bare	SMA	SMA	SMA

**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.

# BrightLase<sup>®</sup> or BrightLock<sup>®</sup> Ultra-200



Pin number	Assignment
1	Thermistor
2	Thermistor
3	Not used
4	Not used
5	Optional Monitor Photodiode +
6	Optional Monitor Photodiode -
7	Not used
8	Not used
9	Not used
10	Not used
11	Not used
12	Not used
13	Not used
14	Optional Aiming Beam DC +
15	Optional Aiming Beam DC -

