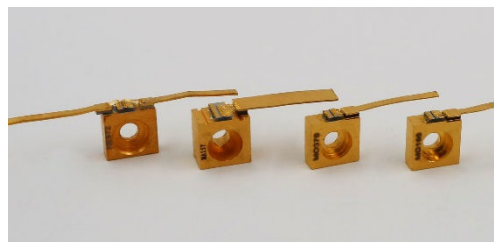


# BrightLase® C-Mounted Diode Laser Chips

## Features

- AuSn soldering ensures long term reliability
- Available wavelengths: 780–1960nm
- High Efficiency
- Long life
- Ease of integration



## Applications

- Efficient pumping of DPSSL
- Materials processing
- Medical and aesthetics
- Illumination

Parameters	Unit	808nm	976nm	1064nm	1470nm	1532nm
Output power	W	5.0	8.0	8.0	2.0	2.0
Max operating current	A	5.5	8.5	9.6	4.8	4.8
Max operating voltage	V	2.0	1.5	1.5	1.3	1.25
Threshold current	A	1.0	0.6	0.7	0.45	0.45
WPE (typical)	%	50	62	55	32	33
Center wavelength	Nm	808	976	1064	1470	1532
Wavelength tolerance	Nm	±3	±5	±10	±20	±20
Spectral width (FWHM)	Nm	3.0	4.0	4.0	10.0	10.0
Wavelength temp coefficient	nm/°C	0.3	0.3	0.35	0.45	0.5
Slope efficiency	W/A	1.1	1.1	0.85	0.45	0.4
Fast axis divergence	°	Collimated to 8				
Slow axis divergence	°	8	8	8	12	12
Polarization mode		TE	TE	TE	TE	TE
Max reverse voltage	V	2.5	2.5	2.5	2.5	2.5
Package dimensions	mm	6.4 * 6.9 * 2.4/4.2				

- Other wavelength available
- Use under non condensing environment
- Laser performance tested at 25C