

BrightLase[®] Ultra-50 MEDICA

Features

- Detachable fiber
- Armor or bare fiber delivery
- Cladding-free power
- Conduction cooled package
- Thermistor
- Visible aiming Beam
- Monitor photodiode
- Replaceable window

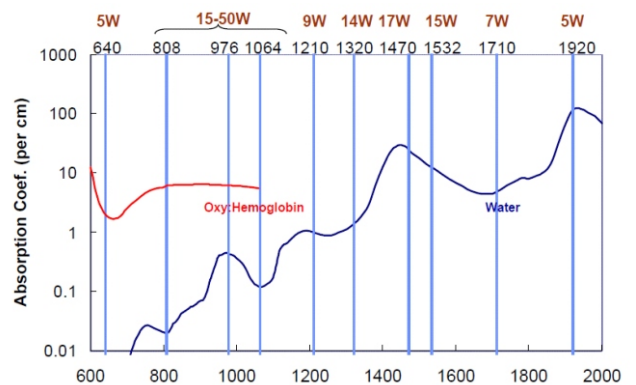


Applications

- Skin Rejuvenation
- Wrinkle Treatment
- Varicose Vein Treatment
- Photodynamic Therapy
- Pain Treatment
- Laser Lipolysis
- Surgery

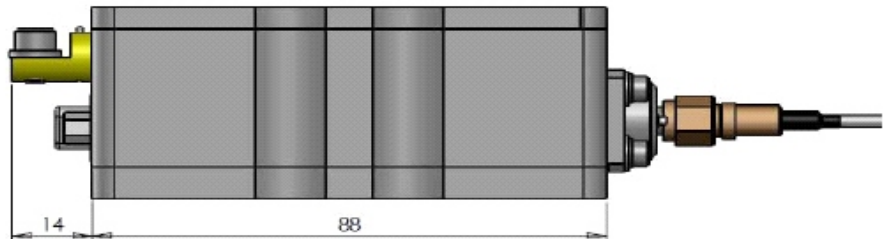
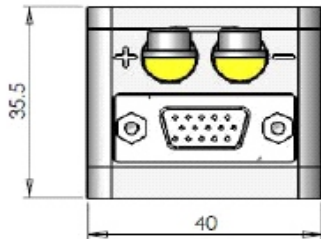
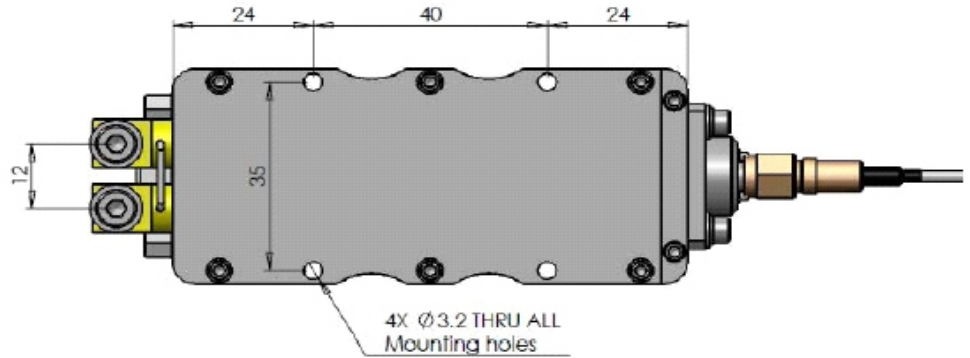
Benefits

- Compact and low cost replacement of solid statelasers
- Highest efficiency material from 12xx nm to 19xxnm
- Single platform from visible to eyesafe wavelengths
- Medical-grade features and accessories



Specification	Units	6008-M015	6009-M000	6010-M006	6013-M001	6014-M000	6014-M002
Output Power (Pop)	W	35	50	35	15	17	12
Operating Current (Iop) (Max)	A	<50	<70	<55	<50	<60	<44
Operating Voltage (Vop) (Max)	V	<1.9	<1.6	<1.5	<1.3	<1.4	<1.4
E-O efficiency (Typical)	%	45	50	50	32	30	30
Center wavelength	nm	808	976	1064	1320	1470	1470
Center Wavelength Tolerance	nm	± 10	± 5	± 10	± 20	± 20	± 20
Spectral Width (Max)	nm	< 5	< 5	< 8	< 15	< 15	< 15
Wavelength Coefficient of Temp	nm/° C	0.3	0.3	0.3	0.45	0.45	0.35
Fiber Core Diameter	um	400	200	400	400	400	200
Fiber Core Numerical Aperture	No Units	0.22	0.22	0.22	0.22	0.22	0.22
Fiber Length	m	2	2	2	2	NA	2
Fiber Output Connector	No Units	SMA	SMA	SMA	SMA	SMA	SMA
Operating Temperature (Top)	° C	25	25	25	20	20	20
Thermistor Impedance	kOhms	10	10	10	10	10	10
Module Dimensions	mm	88 x 40 x 36					

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Pin number	Assignment
1	Fiber detection sensor
2	Fiber detection sensor
3	To Aiming beam power supply”+”
4	To Aiming beam power supply”-”
5	Monitor Photodiode “+”
6	Monitor Photodiode “-”
7	Optional secondary MPD
8	Optional secondary MPD
9	Not used
10	Optional secondary thermistor
11	Option TBD
12	Option TBD
13	Option TBD
14	Thermistor
15	Thermistor

