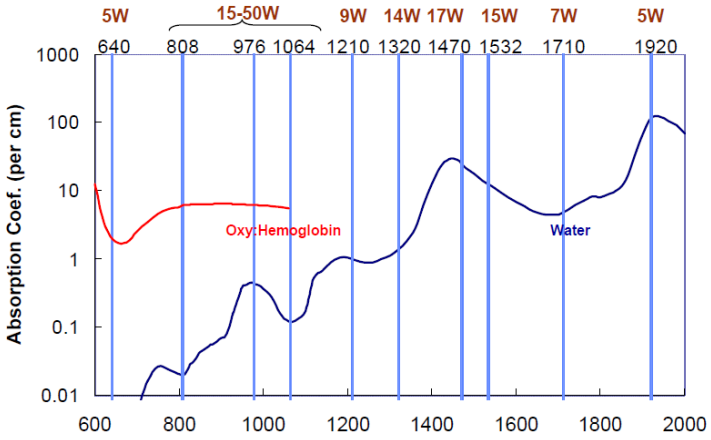
QPC Lasers
BrightLase® Ultra-50 MEDICA

www.QPCLasers.com

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



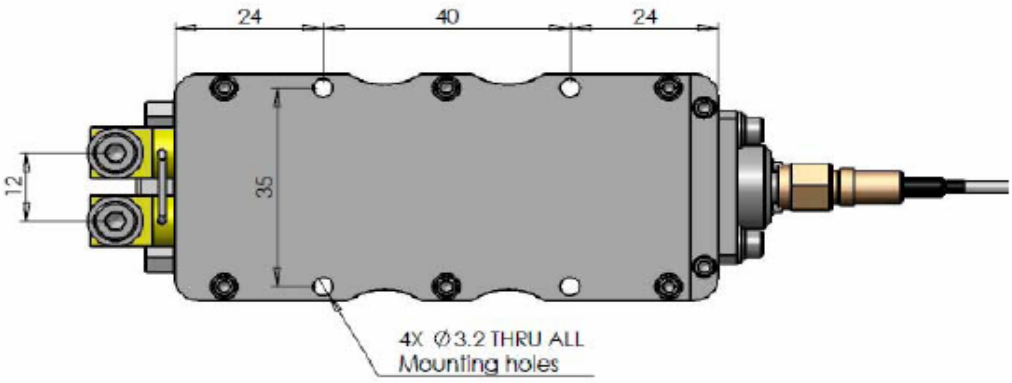
Benefits
- Compact and low cost replacement of solid state lasers
- Highest efficiency material from 12xx nm to 19xx nm
- Single platform from visible to eyesafe wavelengths
- Medical-grade features and accessories

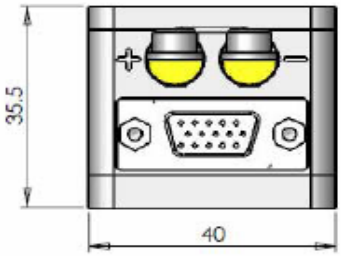
Specification	Units	6007-M001	6009-M000	6010-M000	6013-M001	6014-M000	6014-M002
Output Power (Pop)	W	< 30	< 35	< 30	< 15	< 17	< 12
Operating Current (Iop) (Max)	A	< 64	< 62	< 64	< 50	< 60	< 44
Operating Voltage (Vop) (Max)	V	< 1.9	< 1.6	< 1.6	< 1.3	< 1.4	< 1.4
E-O efficiency (Typical)	%	31	37	32	32	27	27
Center wavelength	nm	792	976	1064	1320	1470	1470
Center Wavelength Tolerance	nm	± 3	± 3	± 20	± 20	± 20	± 20
Spectral Width (Max)	nm	< 3	< 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	200	200	200	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	20	20	20	20	20	20
Thermistor Impedance	kOhms	10	10	10	10	10	10
Module Dimensions	mm	100 x 41.5 x 31.5					

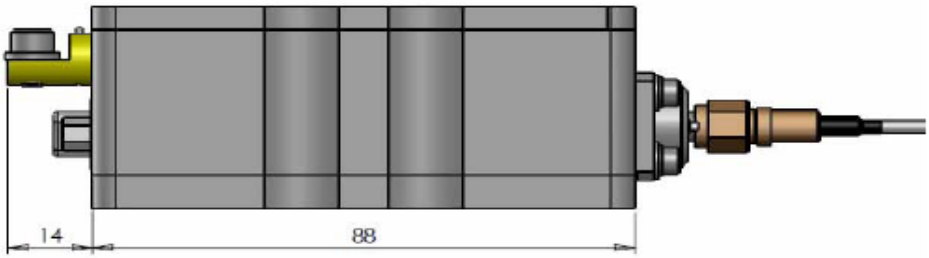
Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation.

For reference only. Product specifications may change without notice.

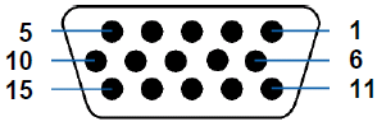
Laser Operations LLC
15632 Roxford Street • Sylmar, CA 91342 • Phone + 1(818) 986-0000 • Fax: +1(818) 698-0428
www.QPClasers.com • email: info@laseroperations.net







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



BRIGHTNESS and POWER

Breaking Performance Barriers through Semiconductor Laser Innovation

Laser Operations LLC
15632 Roxford Street • Sylmar, CA 91342 • Phone + 1(818) 986-0000 • Fax: +1(818) 698-0428
www.QPClasers.com • email: info@laseropeations.net