Features

- Up to 6W at 532 nm
- Collimated or fiber-coupled
- On-chip wavelength-stabilized BrightLock™ laser diodes
- Compact OEM driver and passive air-cooled solutions available
- Smart medical features (MEDICA package)

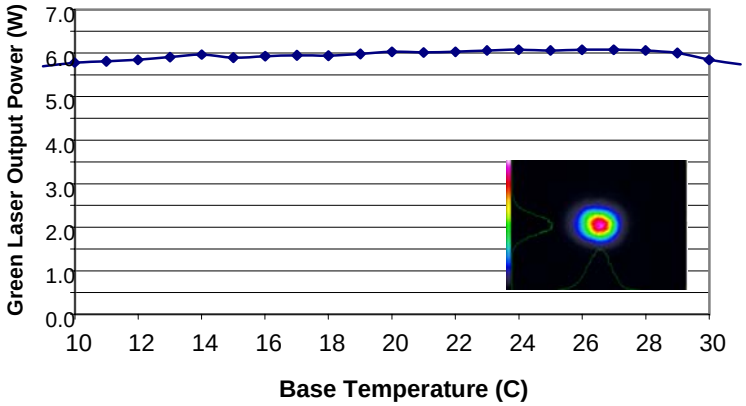
Applications

- Ophthalmology
- Dermatology
- Front and rear projection laser display
- Target illumination
- Non-lethal visual disruption

Benefits

- Compact and low cost
- High brightness
- Passively cooled operation
- High system efficiency
- Easy system integration

Output power versus base temperature at constant current



Parameter	Value	
Part Number	7605-0002	7605-M001
CW output power	6 W	3 W
Max operating current	27 A (23 A typical)	25 A (20 A Typical)
Max operating voltage	2 V	2 V
Center wavelength	532±0.5 nm	532±0.5 nm
Module dimensions	122 x 70 x 26.4 mm^3	122 x 70 x 26.4 mm^3
Base plate temperature	20~30°C	20~30°C
SHG temperature setting	45°C nominal	45°C nominal
Aiming beam power	>1 mW (option)	>1 mW (option)
Aiming beam wavelength	635 nm (option)	635 nm (option)
Storage temperature	-20~70°C	-20~70°C
Delivery fiber connector	NA	SMA
Output beam diameter	< 0.5 mm	400 µm (50µm option)
Output beam divergence	< 1°	0.22 NA
Delivery fiber length	NA	2 m

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

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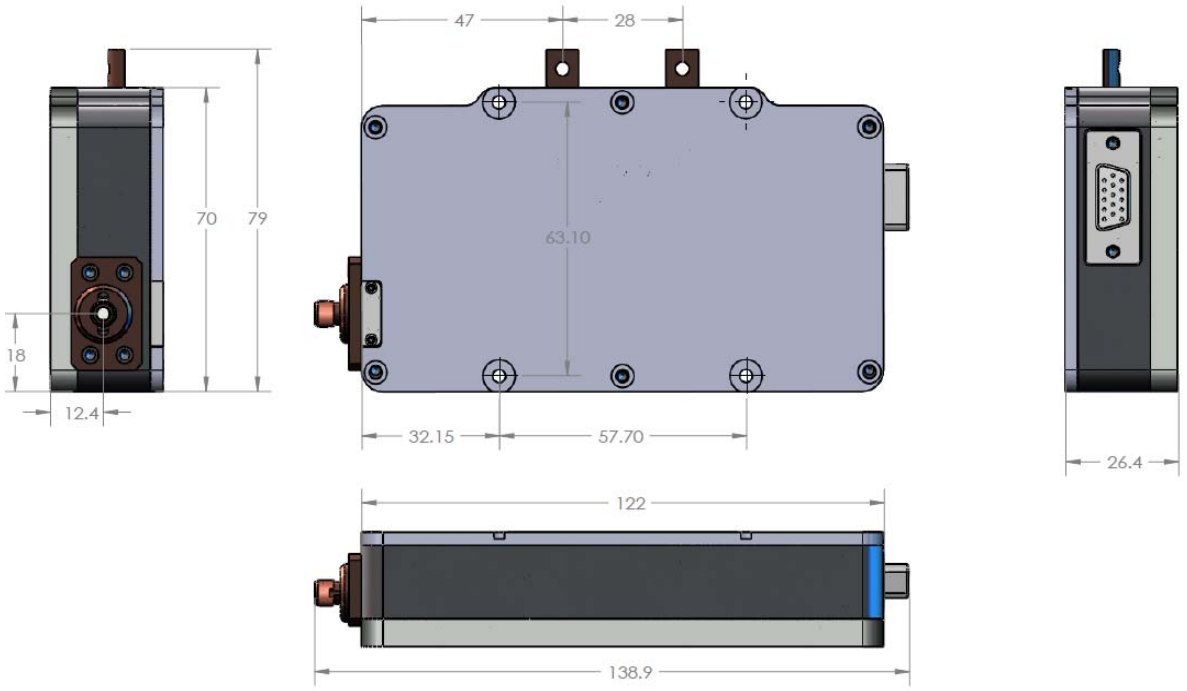
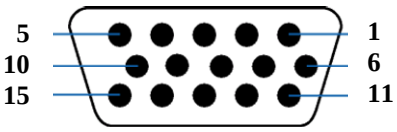


Pin assignment



1 –	Thermistor in base plate
2 –	Thermistor in base plate
3 –	Fiber sensor
4 –	Fiber sensor
5 –	Optional Photodiode 1+
6 –	Optional Photodiode 1–
7 –	Optional Photodiode 2+
8 –	Optional Photodiode 2-
9 –	N/A
10 –	Thermistor in SHG
11 –	Thermistor in SHG
12 –	SHG TEC “+”
13 –	SHG TEC “-”
14 –	Aiming beam 2.6VDC, 40mA power supply output “+”
15 –	Aiming beam 2.6VDC, 40mA power supply output “-”

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