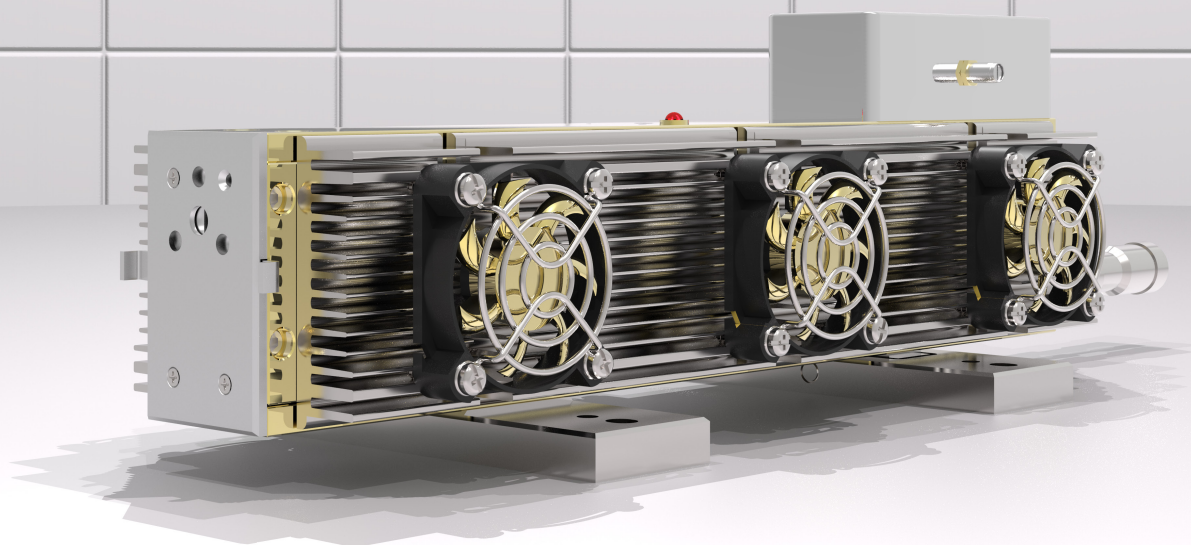


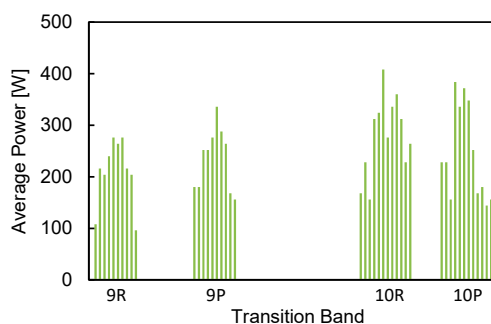
L4GS FCCL



Laser Power

Wavelength	9.2 - 10.6 μm
CW Power	0.2 W
Power Stability	$\pm 3\%$
Duty Cycle	0 - 100 %
Pulse Repetition Frequency	0 - 100 kHz
Rise and Fall Time	200 μs
Peak Power	0.2 W

Typical performance:



Dimensions & Weight

Laser Weight	9.5 lbs
Dimensions L x W x H	15.5 x 4.5 x 3.5 in
RF Driver Weight	1 lbs

Beam Characteristics

Beam Waist Diameter	2.4 mm
Waist Location	Output Coupler
Mode Quality	$M^2 \leq 1.2$
Full Divergence Angle	5.5 mrad
Polarization	$\geq 50:1$ Linear Vertical

Heat & Cooling

Heat Dissipation	≤ 100 W
Cooling Requirement	Fan Cooled Closed Loop
Working Temperature	5 - 40 $^{\circ}\text{C}$ (non-condensing)
Storage Temp. Range	5 - 50 $^{\circ}\text{C}$ (non-condensing)

DC Power Requirements

Laser RF Driver (U I)	12 V 4 A
Temperature Controller	12 V

Notes

Power Stability calculated by: $\pm \frac{P_{max} - P_{min}}{P_{max} + P_{min}}$

Beam specifications measured at: $\frac{1}{e^2}$

Average or pulsed power may exceed listed value. All specifications are measured at the strongest line and are subject to change without notice. Stability measured after 45 minute warm-up to allow laser head to reach thermal equilibrium.



ACCESS LASER
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