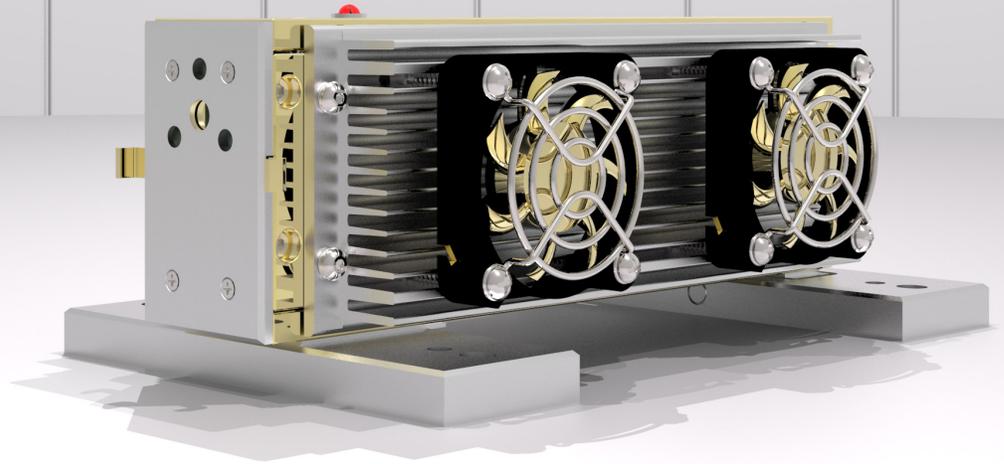


# L3-S-C<sup>18</sup>O<sub>2</sub>-FCCL



### Laser Power

Wavelength	9.1-9.4 μm
CW Power	0.4 W
Peak Power	0.4 W
Power Stability	± 2%

### Pulse Width Modulation Parameters

Duty Cycle	0-100 %
Pulse Repetition Frequency	0-100 kHz

### Dimensions & Weight

Laser Weight	1.5 lbs
Dimensions L x W x H,	7.6 x 1.5 x 2.5 inch
RF Driver Weight	0.5 lbs

### Beam Characteristics

Beam Waist Diameter	2.4 mm
Waist Location	Output Coupler
Mode Quality	M <sup>2</sup> ≤ 1.1
Full Divergence Angle	5.5 mrad
Rise and Fall time	250 μs
Polarization	Random, Linear

### DC Power Requirements

RF Driver	12 V
TC2a	12 V

### Heat & Cooling

Heat Dissipation	≤ 100 W
Cooling Requirement	Fan Cooled Closed Loop
Working Temperature	5°C to 40°C

### Notes

Power Stability calculated in CW at thermal equilibrium

$$\pm \frac{P_{max} - P_{min}}{P_{max} + P_{min}}$$

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

Average power may exceed listed value. All specifications are measured at the strongest line and are subject to change without notice



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