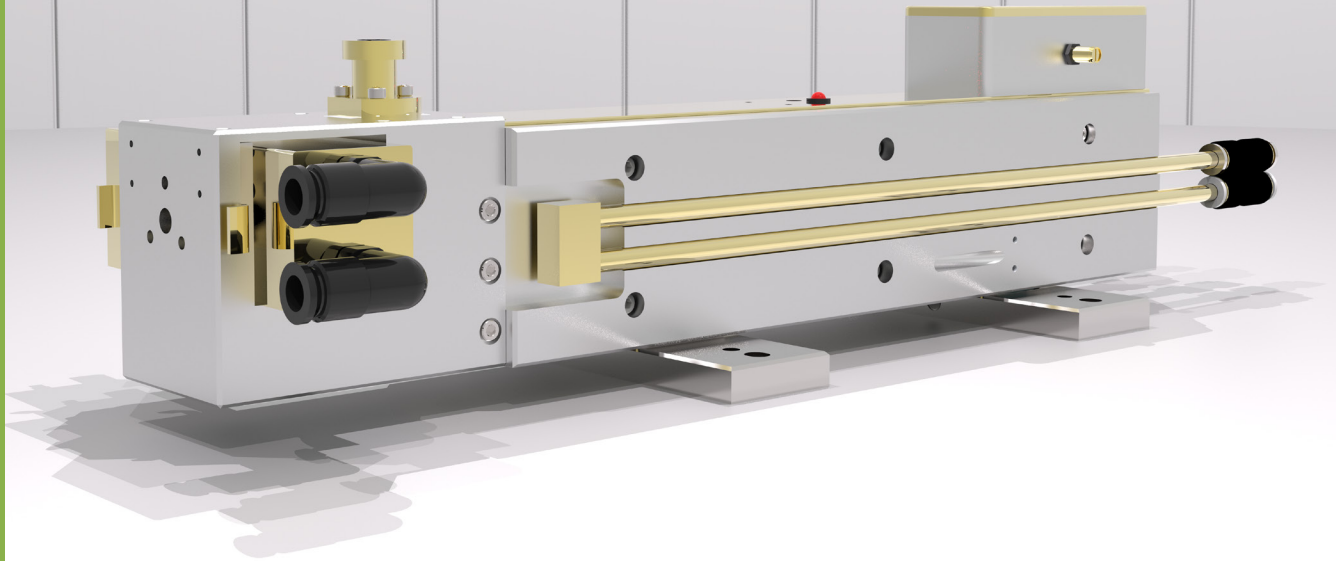


L5-LST-AOM-WCCL



Laser Power

Wavelength	10.5-10.6 μm
CW Power	4 W
Peak Power	4 W
Power Stability	$\pm 1\%$

Pulse Width Modulation Parameters

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

Dimensions & Weight

Laser Weight	10 lbs
Dimensions	17.5 x 5.6 x 3.7 inch
RF Driver Weight	2.5 lbs

Water Cooling

Min Flow Rate	1 LPM (0.264 GPM)
Recommended Flow Rate	2 LPM (0.528 GPM)
Max Pressure	2.75 bar (450 psi)
Required Chiller Stability	$\pm 0.1^\circ\text{C}$
Storage Temp Range	5-50 $^\circ\text{C}$

Beam Characteristics

Beam Waist Diameter	2.4mm
Waist Location	Output Coupler
Mode Quality	$M^2 \leq 1.1$
Full Divergence Angle	5.5 mrad
Rise and Fall time	≤ 400 ns
Polarization	$\geq 50:1$ Linear Horizontal

DC Power Requirements

Laser RF Driver	28 V
AOM RF Driver	30 V
Line Tracker	12 V

Heat & Cooling

Heat Dissipation	$\leq 150\text{W}$
Cooling Requirement	Water Cooled Closed Loop
Working Temperature ($^\circ\text{C}$)	5 to 40

Notes

Power Stability calculated in CW at thermal equilibrium

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

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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