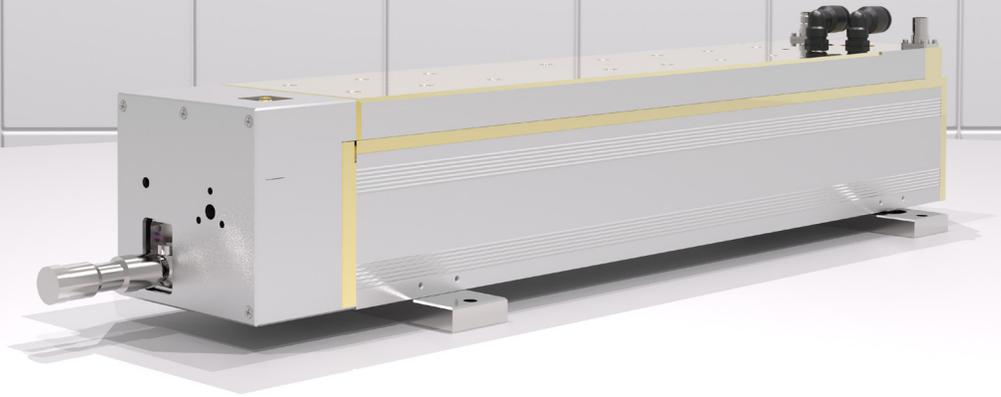


AL30-GLSZ-WCCL



Laser Power

Wavelength	9.2 - 10.8 μm
CW Power	14 W
Peak Power	14 W
Power Stability	$\pm 2\%$

Beam Characteristics

Beam Waist Diameter	2.4mm
Waist Location	Output Coupler
Mode Quality	$M^2 \leq 1.2$
Full Divergence Angle	5.5 mrad
Rise and Fall time	200 μs
Polarization	$\geq 100:1$ Linear Vertical

Pulse Width Modulation Parameters

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

DC Power Requirements

RF Driver	36 V
Piezo	100 V

Dimensions & Weight

Laser Weight	11 lbs
Dimensions L x W x H	25.3 x 3.9 x 4.8 inch
RF Driver Weight	7.0 lbs

Heat & Cooling

Heat Dissipation	$\leq 600\text{W}$
Cooling Requirement	Water Cooled Closed Loop
Working Temperature	5°C to 40°C

Water Cooling

Min Flow Rate	3.8 LPM (1 GPM)
Recommended Flow Rate	9.5 LPM (2.5 GPM)
Max Pressure	10 bar (150 psi)
Required Chiller Stability	$\pm 0.1^\circ\text{C}$
Storage Temp Range	5-50 $^\circ\text{C}$

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. Guarantee for minimum of 50 lines over the 9R, 9P, 10R, 10P bands. All specifications are measured at the strongest line and are subject to change without notice.



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