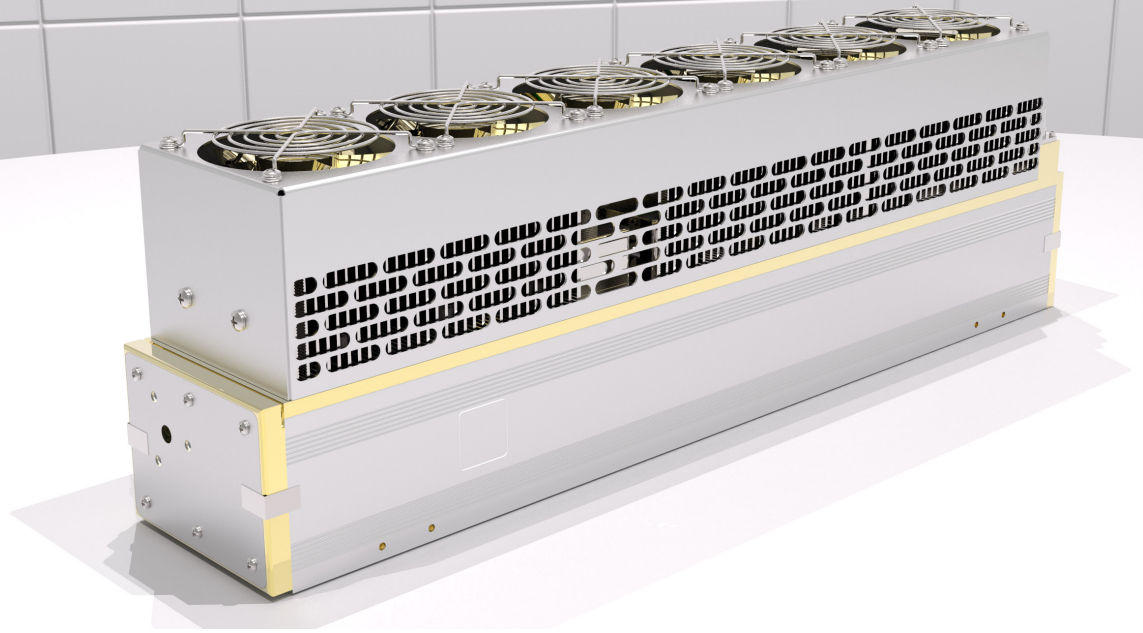


AL20-D-FC



Laser Power

Wavelength	10.6 μm
CW Power	20 (SP: 10) W
Peak Power	20 (SP: 40) W
Power Stability	$\pm 5\%$

Pulse Width Modulation Parameters

Duty Cycle	0-100 (SP: 0-30) %
Pulse Repetition Frequency	0-100 kHz

Dimensions & Weight

Laser Weight	20.5 lbs
Dimensions L x W x H	20.8 x 3.9 x 6.5 inch
RF Driver Weight	7.0 lbs

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	200 (SP: 100) μs
Polarization	$\geq 20:1$ Linear Vertical

DC Power Requirements

RF Driver	28 (48) V
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Heat & Cooling

Heat Dissipation	≤ 600 W
Cooling Requirement	Fan Cooled
Working Temperature	5 $^{\circ}\text{C}$ to 40 $^{\circ}\text{C}$

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.



ACCESS LASER
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