DATASHEET

AL20-S-CO-WCCL

Laser Power

Wavelength	5.3 - 5.7 µm
CW Power	5 W
Peak Power	5 W
Power Stability	± 2 %

Beam Characteristics

Beam Waist Diameter	2.4 mm
Waist Location	Output Coupler
Mode Quality	$M^2 \leq 1.1$
Full Divergence Angle	2.1 mrad
Rise and Fall time	200 µs
Polarization	≥ 50:1 Linear Vertical

Pulse Width Modulation Parameters

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

DC Power Requirements

RF Driver	28 V

Dimensions & Weight

Laser Weight	11 lbs
Dimensions L x W x H	20.8 x 3.9 x 4.8 inch
RF Driver Weight	7.0 lbs

Heat & Cooling

Heat Dissipation	≤ 600W
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	± 0.1 °C
Storage Temp Range	5-50 °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.

ACCESS LASER
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