

Laser Power

9.2-10.8 µm Wavelength 13 W CW Power Peak Power 1000 W ±5% Power Stability Pulse Energy ≤ 500 µJ

Pulse Repetition Frequency ≤ 60 kHz

Diementions & Weight

Laser Weight 33.8 lbs 33.1 x 3.9 x 5.0 inch Dimensions L x W x H RF Driver Weight 11.5 lbs

Water Cooling

Min Flow Rate 3.8 LPM (1GPM) Recommended Flow Rate 9.5 LPM (2.5 GPM) Max Pressure 10bar (150 psi) Required Chiller Stability ± 0.1 °C 5-50 °C Storage Temp Range

Beam Characteristics

Beam Waist Diameter 2.8mm Waist Location **Output Coupler** Mode Quality $M^2 \le 1.2$ Full Divergence Angle 6 mrad Pulse Length < 500 ns Polarization ≥100:1 Linear Vertical

DC Power Requirements

Laser RF 28 V **AOM RF** 12 V

Heat & Cooling

Heat Dissipation ≤ 600W Cooling Requirement Water Cooled 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. Guarntee for minimum of 60 lines over the 9R, 9P, 10R, 10P bands. Stability measured after 30 minute warm-up to allow laser head to reach thermal equilibrium, specification guaranteed for 1 hour.

