

| Wavel<br>CW Po<br>Power<br>Duty C<br>Pulse<br>Rise ar<br>Peak F  | ower<br>Stability<br>Cycle<br>Repetition Frequency<br>nd Fall Time<br>Power | ~ 10.6 µm<br>50 W<br>± 2 %<br>0 - 100 %<br>0 - 100 kHz<br>200 µs<br>50 W |
|--|---|--|
| Typica<br>70   | l performance:  |  |
| 60   | -   |  |
| ≥ 50   | -   |  |
| Average Power [W]<br>0 20<br>0 20<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | -   |  |
| ප<br>ප<br>30   | -   |  |
| 02 je  | -   |  |
| ₹ <sub>10</sub>  | -   |  |
| 0  | 0 30 60<br>Time [   |  |

### **Dimensions & Weight**

| Laser Weight         |
|----------------------|
| Dimensions L x W x H |
| RF Driver Weight     |

34 lbs 29 x 4 x 5 in 11.5 lbs

#### **Beam Characteristics**

Beam Waist Diameter Waist Location Mode Quality Full Divergence Angle Polarization

## **Heat & Cooling**

Heat Dissipation **Cooling Requirement** Working Temperature Min Flow Rate Recommended Flow Rate Max Pressure Required Chiller Stability Storage Temp. Range

### 2.4 mm **Output Coupler** M<sup>2</sup> ≤ ].] 5.5 mrad ≥ 20:1 Linear Vertical

≤ 750 W Water Cooled Closed Loop 5 - 40 °C (non-condensing) 3.8 LPM (1 GPM) 9.5 LPM (2.5 GPM) 10 bar (150 psi) ± 0.1 °C 5 - 50 °C (non-condensing)

28 V | < 28 A

12 V

# **DC Power Requirements**

Laser RF Driver (U | I) Temperature Controller

Notes

Notes Power Stability calculated by:  $\pm \frac{P_{max} - P_{min}}{P_{max} + P_{min}}$ 

Beam specifications measured at:  $\frac{1}{r^2}$ 

Average or pulsed power may exceed listed value. All specifications are measured at the strongest line and are subject to change without notice. Stability measured after 45 minute warm-up to allow laser head to reach thermal equilibrium.

