

L4-GS-FCCL



Laser Power

Wavelength	9.2-10.8 μm
CW Power	0.2 W
Peak Power	0.2 W
Power Stability	$\pm 3\%$

Pulse Width Modulation Parameters

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

Dimensions & Weight

Laser Weight	9.5 lbs
Dimensions L x W x H	15.4 x 4.3 x 3.7 Inch
RF Driver Weight	0.5 lbs

Beam Characteristics

Beam Waist Diameter	2.4 mm
Waist Location	Output Coupler
Mode Quality	$M^2 \leq 1.2$
Full Divergence Angle	5.5 mrad
Rise and Fall time	200 μs
Polarization	$\geq 50:1$ Linear Vertical

DC Power Requirements

RF Driver	12 V
TC2a	12 V

Heat & Cooling

Heat Dissipation	≤ 120 W
Cooling Requirement	Fan Cooled Closed Loop
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. Guarantee for minimum of 40 lines over the 9R, 9P, 10R, 10P bands. Specific power at defined lines cannot be guaranteed for standard orders



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