

## L5 Series Specifications

### *L5, L5P, and L5D Specifications*

Model	L5	L5P	L5D
Wavelength (μm)	Approx. 10.6	Approx. 10.6	The L5D has features of both the L5 and L5P when the appropriate DC power supply is used
CW Power	5 Watt	4 Watt (average)	
Peak Power	5 Watt	20 Watt	
Power Stability <sup>1</sup>	±10%	±10%	
Mode Quality (M <sup>2</sup> )	<1.1	<1.1	
Beam Waist Diameter	2.4 mm	2.4mm	
Waist Location	Output Coupler	Output Coupler	
Full Div. Angle	5.5 mrad	5.5 mrad	
Polarization	Variable	Variable	
Rise Time (μs)	200	100	
Fall Time (μs)	200	100	
Supply Voltage	28VDC 240W Regulated	48VDC 240W Regulated	
Electronic PWM Parameters	Frequency up to 100 kHz, duty cycle 0-100%	Frequency up to 100 kHz, duty cycle 0-100%	
Heat Dissipation	< 100W	< 100W	
Cooling Requirement	Air Cooled	Air Cooled	
Working Temperature	5-40° C	5-40° C	
Laser Weight <sup>2</sup>	5.6 lbs.	5.6 lbs.	
RF Driver Weight	3 lbs.	3 lbs.	
Dimensions (LxWxH, inch)	12 x 1.5 x 3	12 x 1 x 3	

<sup>1</sup> Power Stability is based on  $\pm (P_{max}-P_{min})/(2*P_{max})$   
at constant duty cycle after thermal equilibrium

<sup>2</sup> Laser weight is for fan cooled model

\* Specifications subject to change without notice

### Options Available

- Closed Loop Cooling Options
- Isotope Gas Fills
- Horizontal Polarization (L5L)
- Real Time Power Monitoring
- External high speed modulator (up to 200kHz optical)