

Laser Specifications

L50, L50P and L50D Specifications

Model	L50	L50P	L50D
Wavelength (μm)	10.5 - 10.7	10.5 - 10.7	L50D has features of both L50 and L50P when the appropriate DC power supply is used.
CW Power (W)	50	25 (average)	
Peak Power (W)	50	120	
Power Stability	±5%	±5%	
Mode Quality (M ²)	< 1.2	< 1.2	
Beam Waist Diameter	2.4 mm	2.4 mm	
Waist Location	Output Coupler	Output Coupler	
Full Div. Angle	5.5 mrad	5.5 mrad	
Polarization	Horizontal	Horizontal	
Rise Time (μs)	200	100	
Fall Time (μs)	200	100	
Supply Voltage (DC)	28V 1kW	48V 1kW	
Electronic PWM Parameters	Any frequency up to 100 kHz, duty cycle 0-100%	1 kHz to 100 kHz, duty cycle 0-25%, pulse length to 0.4 ms	
Cooling Requirement ¹	Water Cooled	Water Cooled	
Working Temperature	5-40° C	5-40°	
Dimensions (LxWxH, inch)	32x3.8x8	32x3.8x8	

Options Available

- 5.5μm with CO gas fill (Model L50CO)
- Real time power monitoring
- Stabilization to ±1% with Line Tracker