

Laser Specifications

L15, L15P and L15D Specifications

L15 air cooled pictured

(Air cooling or other features may alter the look of your laser from that shown here.)



The L15 is the base model in the L15 Series. The L15P, Super-Pulse, provides bursts of power for limited duration. The L15D gives the functionality of the L15 and the L15P, depending on which DC power supply is applied.

Fan cooling is available. Linear polarization is available. Optimization for 9.3 μ m and 11.2 μ m with ¹³CO₂ isotope gas fill are further options.

Model	L15	L15P	L15D
Wavelength (μ m)	around 10.6	around 10.6	L15D has features of both L15 and L15P when the appropriate DC power supply is used.
CW Power (W)	15	7 (average)	
Peak Power (W)	15	30	
Power Stability	$\pm 10\%$	$\pm 10\%$	
Mode Quality (M ²)	< 1.1	< 1.1	
Beam Waist Diameter	2.4 mm	2.4 mm	
Waist Location	Output Coupler	Output Coupler	
Full Div. Angle	5.5 mrad	5.5 mrad	
Rise Time (μ s)	200	100	
Fall Time (μ s)	200	100	
Supply Voltage (DC)	36V 240W	48V 240W	
Electronic PWM Parameters	Any frequency up to 100 kHz, duty cycle 0-100%	Any frequency up to 100 kHz, duty cycle 0-25%, pulse length to 0.4 ms	
Cooling Requirement	Air Cooled	Air Cooled	
Working Temperature	5-40° C	5-40°	
Dimensions (LxWxH, inch)	20x2.8x3.8	20x2.8x3.8	

