

### Model L12 Specifications

Model	L12	L12P	L12D
Wavelength (μm)	around 10.6	around 10.6	L12D has features of both L12 and L12P when the appropriate DC power supply is used.
CW Power (W)	12	7 (average)	
Peak Power (W)	12	30	
Power Stability	±10%	±10%	
Mode Quality (M <sup>2</sup> )	< 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 (μs)	200	100	
Fall Time (μs)	200	100	
Supply Voltage (DC)	28V 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	



**Factory warranty:** One year for parts and labor due to manufacturing quality regardless of laser usage

**Options available:**

- Fan or Water cooling
- Optimization for 9.3um
- 13CO2 isotope gas fill for 11.2um
- Real time power sampling
- Power stabilization to ±1% with Line Tracker

\* Specifications subject to change without notice

\* Includes RF driver

\* We strive to satisfy custom requirements. Please contact us if you have other special needs.

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INVISIBLE LASER RADIATION-AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION

**Max power: 50W      Wavelength: 9 - 12 μm**

Class IV Laser Product