

## LOW POWER CO<sub>2</sub> LASER

Model LASY-5/P/D

### SPECIFICATIONS

Model	LASY-5	LASY-5P	LASY-5D
CW power	5	4 (average)	<b>Lasy-5D has features of both Lasy-5 and Lasy-5P when the appropriate DC power supplies are used.</b>
Peak power	5	20	
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	
Power stability	±10%	±10%	
Wavelength (µm)	Around 10.6	Around 10.6	
Rise time (µs)	200	100	
Fall time (µs)	200	100	
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 0.8 ms	
Supply Voltage	28 VDC	48 VDC	
Supply Current	7 Amp	4 Amp	
Cooling Requirement	Forced air	Forced air	
Working Temp	5-40 C	5-40 C	
Dimensions(inch)	12x3x1.5 (3.8 with forced air cooling)	12x3x1.5 (3.8 with forced air cooling)	



**Factory warranty:** One year for parts and labor due to manufacturing quality

**Options available:**

- Single wavelength (factory preset)
- Wavelength tunable
- Power and line stabilization, ±3%
- Water cooling
- Real time power sampling
- External high speed modulator (up to 200 kHz optical)
- Battery operated

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

\* Specifications subject to change without notice.

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