

Diode Pumped Green 532 nm CrystaLaser®

High reliability High stability Single longitudinal mode Ultra-compact

SPECIFICATIONS

Wavelength	532 nm					
Transverse mode	Single mode, TEM ₀₀ , M ² = 1.0 - 1.1					
Laser version	SLM version		Low noise version		Standard version	
Model No. and output power	CL532-200-S	200 mW	CL532-500-L	500 mW	CL532-500	500 mW
	CL532-150-S	150 mW	CL532-400-L	400 mW	CL532-400	400 mW
	CL532-100-S	100 mW	CL532-300-L	300 mW	CL532-300	300 mW
	CL532-075-S	75 mW	CL532-200-L	200 mW	CL532-200	200 mW
	CL532-050-S	50 mW	CL532-150-L	150 mW	CL532-150	150 mW
	CL532-025-S	25 mW	CL532-100-L	100 mW	CL532-100	100 mW
	CL532-010-S	10 mW	CL532-075-L	75 mW	CL532-075	75 mW
	CL532-005-S	5 mW	CL532-050-L	50 mW	CL532-050	50 mW
			CL532-025-L	25 mW	CL532-025	25 mW
			CL532-010-L	10 mW	CL532-010	10 mW
			CL532-005-L	5 mW	CL532-005	5 mW
Longitudinal mode	Single longitudinal mode		Multiple		Multiple	
Coherence length	> 300 meters		0.5 - 3 mm		0.5 - 3 mm	
Spectrum linewidth	< 10 ⁻⁵ nm		0.15 nm, nominal		0.15 nm, nominal	
Output noise (rms)	< 0.5% (1Hz -100 MHz)		< 0.5% (1Hz -100 MHz)		~ 30% at 500 kHz	
Output stability (rms)	< 2% over 2 hours; Ultra-stable option: 0.5% or 0.25% over 24 hours					
Beam diameter (1/e ²)	0.36 mm	Option: 2X - 5X laser beam expanders are available to change beam size and divergence				
Beam divergence	2 mrad	e.g. 0.7 mm beam with 1 mrad divergence; or 1.4 mm beam with 0.5 mrad divergence				
Beam pointing stability	< 0.005 mrad/°C					
Polarization ratio	50:1, >100:1 option available; 45° off vertical, for ≥ 300 mW laser, vertical linear polarization					
Operation temperature	10 °C to 35 °C					
Warm-up time	< 1 minute					
Operation voltage	90-250 VAC or 12VDC OEM version 11-16VDC; Typical power consumption: 10 W					
Dimensions and weight of laser head	3x3x12 cm ³ (1.2x1.2x4.7 in ³) with a fixed 6 mm thick plate, 0.3kg (0.6 lb) 7x3.6x18.5 cm ³ (2.8x1.4x7.3 in ³), 0.6 kg (1.3 lb) for lasers ≥ 400 mW, type 2 size					
Dimensions and weight of power supply	AC: 5x14x15 cm ³ (2x5.5x6 in ³), 0.5 kg (1 lb); Option CL-2005 power display AC: 5 x 16 x 15 cm ³ DC: 8.5x3.5x12.7 cm ³ (3.3x1.4x5 in ³), 0.2 kg (0.5 lb)					

Fiber coupling option: Single mode and multi-mode fiber delivery
Modulation option: TTL on/off, 1 kHz to 10 kHz; and Analog modulation option
CL-2005 power supply option: Power adjustable and power digital display

Made in the USA



Laser Head All dimensions in mm

