

LPX-532L

DPSS

Optical characteristics *

Emission wavelength 532.3 nm (±0.5 nm)

Linewidth ≤ 0.1 nm

Fiber coupled Output power Free space

> 500 mW 350 mW

Control mode(s) Automatic Power Control (APC)

Power stability over 8 hours and within ±3k

Power adjustment range 30 - 100% 0 - 100% with L1C-MPA

Optical noise $\leq 0.2\%$

%RMS, 10Hz - 20 MHz bandwidth

- Transverse singlemode free-space beam

Beam waist diameter (typ) at 1/e², 50mm from output aperture 0.7 mm (±0.1 mm)

Beam divergence 1.0 to 0.2 mrad at 1/e2, full angle, in far field

Beam quality factor (M2) ≤ 1.1

Beam circularity, ≥ 90%

Polarization 1000:1 extinction ratio (typ)

Polarization state linear, vertical at +/-5°

Modulation functions

Optional

L1C-AOM

DC - 3 MHz

Fiber coupling option

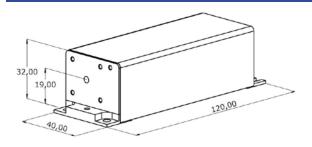
	SM and PM Fiber	MM Fiber (50 μm, 0.22 NA)
Coupling Efficiency	≥ 70%	≥ 80%
Polarization Ratio (PMF only)	100 : 1	n/a
Fiber Output Connector	FC-ACPC, FCP8 on demand	FC-APC
Power stability over 8 hours and within ±3k	±2%	±2%
Fiber length	2.0 m	2.0 m

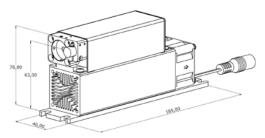
*Specifications at nominal power





System specifications





Plug and Play version provided with:

- Electro-mechanical shutter
- ControlBoxx
- Power supply

Other options

- Heat sink
- Clean-up filter

General specifications

	Plug and Play version	OEM version
Compliance	CE FDA 21 CFR 1040.10/1040.11	FDA 21 CFR 1040.10 / 1040.11
Operating temperature	10 - 38°C ambiant air with optional heat sink	10 - 50°C baseplate
Power consumption	≤ 25 W	≤ 20 W
Storage temperature	0 to 60°C	
Supply voltage	100 to 240 VAC external power supply	5 to 12 VDC
Warm-up time	≤ 10 minutes	
Interfaces	USB, RS-232, dedicated electronic interface	

Warranty: 18 months from shipment date

CONTACT US

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