

# **LPX-532S**

#### **DPSS**

# Optical characteristics \*

Emission wavelength 532.3 nm (±0.3 nm)

Wavelength stability over 8 hours and ±3°K ≤ 1 pm

**Linewidth** ≤1 MHz

Coherence Length ≥ 100 m

Output power Free space Fiber coupled

500 mW 350 mW

Control mode(s) Automatic Power Control (APC)

Power stability
over 8 hours and within +3k ±1%

Power adjustment range with L1C MPA / AOM

Optical noise

%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** at  $1/e^2$ , full angle, in far field  $\leq 1.0 \text{ mrad } (\pm 0.2)$ 

Beam quality factor ( $M^2$ )  $\leq 1.1$ 

Beam circularity, ≥ 90%

Polarization atio (typ) 1000:1

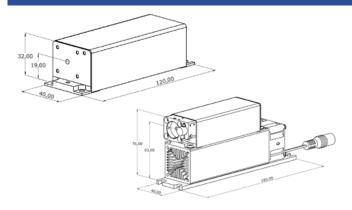
Polarization state linear, vertical at +/-5°

## Fiber coupling option

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



# System specifications



### Plug and Play version provided with :

- Electro-mechanical shutter
- ControlBoxx
- Power supply

## Other options

Heat sink

### 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	

\*Specifications at nominal power

Warranty: 18 months from shipment date

