

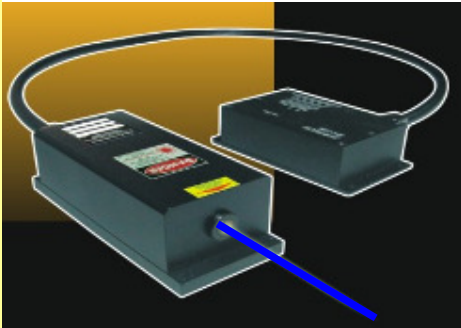
DPSS BLUE(473nm) LASER SOURCE

(Diode-Pumped, Low Noise, Compact & High Stability)

PHOTONIK

hv

BLUE
LASER



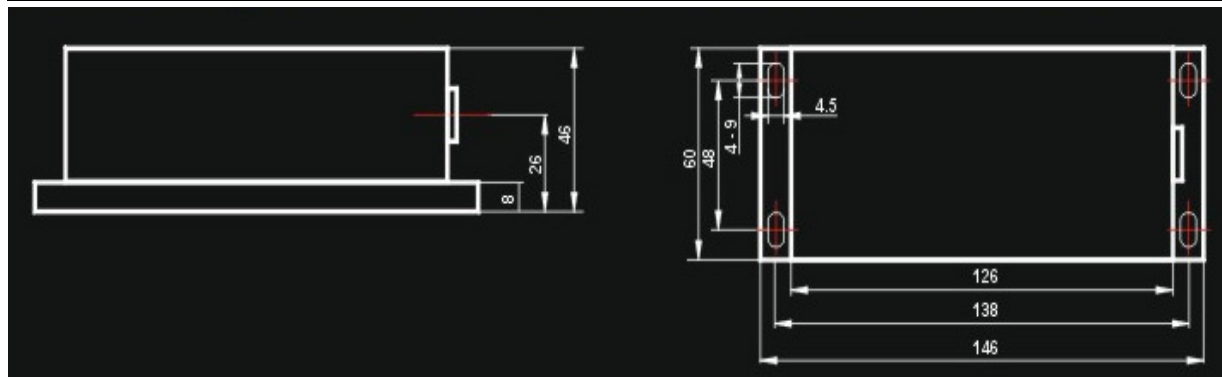
**C.D.R.H Safety Regulations(FDA)
Compliant**



MAIN APPLICATIONS:

- *Holography*
- *Raman Spectroscopy*
- *Interferometry*
- *Metrology*
- *Biotechnology*

General Specifications	P/N: PL-D-473-XXX
CW Output Power (mW)	10mW: XXX = 010 20mW: XXX = 020 50mW: XXX = 050 100mW: XXX = 100
Output Wavelength (nm)	473
Beam Mode	TEM ₀₀
Beam Diameter (1/e², mm)	0.90 ± 0.20 **
Beam Divergence (full angle, mrad)	1.2 ± 0.2 **
Power Stability	Within ± 5% typ. over 2 hours
Point Stability (mrad)	< 0.05
Noise (P-P, 20-20MHz)	< 1%
Polarization Ratio	> 500:1 (Vertical)
Residual IR	< 0.2%
Operating Temperature (base plate, °C)	15 ~ 35
Warm-up Time (max minutes)	10
Expected Operating Lifetime (hours)	> 5000
Laser Head Dimension (mm)	156(L) x 73(W) x 46(H)
Recommended Controller Option	PLDC1500
Operating Voltage	100 ~ 240 VAC, 50~60Hz
Controller Dimension (mm)	225(H) x 72(H) x 200(Depth)



Photonik reserves the rights to change product designs and specifications at any time without notice.

Contact Information:

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Local Representative:



DPSS LASER CONTROLLER



- Constant Current LD Control
- Temperature Controller



C.D.R.H Safety Regulations(FDA) Compliant

General Specifications	P/N: PLDC1500
Laser Diode Driver	
LD Driver Current (mA)	0 ~ 1500
LD Driver Current Limit (mA)	50 ~ 1500
Max. LD Drive Voltage (V)	3.0
TTL Modulation (KHz)	DC ~ 10
LD Drive Current Stability (ppm/°C)	< 75
Analog Modulation (KHz)	DC ~ 500 constant current operation DC ~ 100 constant current operation
Temperature Control	
Max. TEC Drive Current (A)	2
Max. TEC Drive Voltage (V)	Vs-2.6
Short-Term Temp.Stability (°C)	< 0.01
Long-Term Temp. Stability (°C)	< 0.02
Temperature Sensor	10-kΩ NTC Thermistor
Dimension (mm): Width	225
Height	72
Depth	200
Operating Temperature (°C)	-25 ~ +55
Operation Voltage	100~240 VAC. 50 ~ 60Hz
Cable Accessories	9-pin cable and connectors included

** OPTIONS:

Beam adjustable/focusable modules, or with single mode or multimode silica fiber coupled output, fiber splitter (1% ~ 99% split ratio), fiber connectors(FC or SMA), fiber collimators, or lensed fiber tips, etc, upon request; Additional prices apply.

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