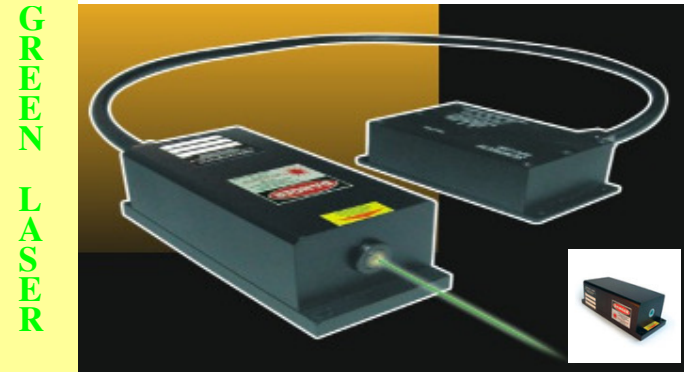


SINGLE FREQUENCY DPSS GREEN LASER SOURCE

(Low Noise, Single Longitude Mode, Narrow Bandwidth, High Stability)

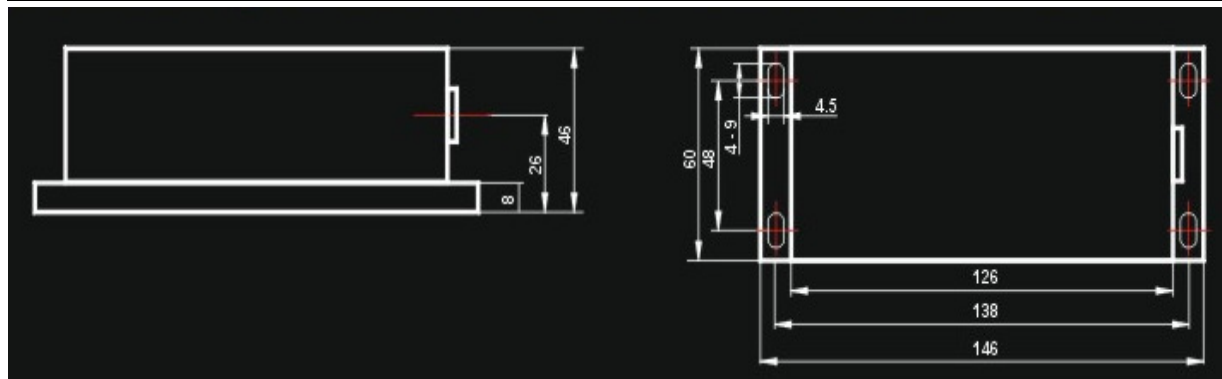


C.D.R.H Safety Regulations(FDA) Compliant

MAIN APPLICATIONS:

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

General Specifications	P/N: G-SLM-010
CW Output Power (mW)	10
Output Wavelength (nm)	532
Beam Mode	TEM ₀₀
Beam Diameter (1/e², mm)	0.8+/-0.2
Beam Divergence (full angle, mrad)	1.2+/-0.2
Power Stability	<+/-2% over 2 hours
Point Stability (mrad)	< 0.05
Noise (P-P, 20-20MHz)	< 1%
Spectral Linewidth (nm)	< 3x10 ⁻⁵
Polarization Ratio	> 100:1 (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)	46(H) x 60(W) x 146(L)
Recommended Power Supply Option	HPC-1500
Operating Voltage (VDC)	+5
Driver Dimension (mm)	32.5(H) x 120(W) x 66(L)



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

Contact Information:

PHOTONIK (SINGAPORE) PTE LTD

8 Boon Lay Way, TradeHub 21, #04-04, Singapore 609964
 Tel: +65-6316-6370, +65-6316-2142 Fax: +65-6316-1082
 Email: sales@photonik.com.sg Web: www.photonik.com.sg

Local Representative:





DPSS LASER CONTROLLER

- Constant Current LD Control
- Temperature Controller

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

General Specifications	P/N: HPC-1500
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): W	120
H	32.5
L	66
Operating Temperature (°C)	-25 ~ +55
Operation Voltage	+ 5VDC
Cable Accessories	9-pin cable and connectors included

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