

Sapphire 488nm, 300mW LPX CDRH Laser Head

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+

S\$13,368⁰⁰

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SPECIFICATIONS

General	
<5	Warm-Up Time (minutes):
Coherent®	Manufacturer:
Solid State	Type of Laser:

IIIb	Laser Class - CDRH:
1416013	Model Number:
Physical & Mechanical Properties	
<5	Pointing Stability after Warm Up (mrad°C):
<30	Pointing Stability (μrad):
Optical Properties	
TEM ₀₀	Spatial Mode:
488.00	Wavelength (nm):
<1.1	Mode Quality, M ² :
±0.05	Beam Diameter Tolerance (mm):
0.70	Beam Diameter (mm):
Full Angle: <1.2	Beam Divergence (mrad):
Blue	Color:
Electrical	
300	Output Power (mW):
<2	Power Stability (%):
≤0.25% (20Hz to 20MHz)	RMS Noise:
Hardware & Interface Connectivity	
Power Supply: Power Supply Required and Sold Separately. USA: #70-123 Europe: #70-123 Japan: #70-123 Korea: #70-123 China: #70-123	
Free Space	Output Type:
Environmental & Durability Factors	
10 to 40	Operating Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

- Output Powers up to 500mW
- 300mW and 500mW Output Powers
- 488, 532, and 561nm Wavelength Options

Coherent® Sapphire™ LPX Laser Systems utilize Coherent®’s unique OPSSL (Optically Pumped Semiconductor Laser) technology to provide a series of CW, higher power, compact lasers. Available with 488, 532, and 561nm wavelength options, these lasers provide a high-quality diffraction limited output beam and are assembled with Coherent®’s excellent pointing stability of <30 μrad. Flexible remote-control options for USB, RS-232, and analog connection all provide control options via the relevant ports on the CDRH laser controller. Coherent® Sapphire™ LPX Laser Systems are ideal for applications that require an ultra-narrow linewidth such as Raman spectroscopy, interferometry, holography, metrology, and inspection. These lasers require [#70-123](#) Sapphire LPX CDRH Controller for power and control, sold separately.