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Sapphire SF NX 488nm, 50mW CDRH Laser Head

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Photo shows #70-113

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1

+

€8.860⁰⁰

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Product Downloads

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

1397888	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	
50	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: #70-116 Europe: #70-116 Japan: #70-116 Korea: #70-116 China: #70-116	
Free Space	Output Type:
Environmental & Durability Factors	
10 to 40	Operating Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- Ultra-Narrow <1.5 MHz Linewidth
 - Output Powers up to 200mW
 - 488 and 532nm Wavelength Options
- Coherent® Single Frequency Sapphire™ NX Laser Systems utilize Coherent®’s unique Optically Pumped Semiconductor Laser (OPSL) technology to provide a series of CW, single frequency, compact lasers. Available in 488 and 532nm wavelength options, these lasers provide a high-quality diffraction limited output beam and the single frequency design allows for extremely low noise. Flexible remote-control options for USB, RS-232, and analog connection all provide control options via the relevant ports on the CDRH Certified laser controller (sold separately). Coherent® Single Frequency Sapphire™ NX Laser Systems are ideal for applications that require an ultra-narrow linewidth such as Raman spectroscopy, interferometry, holography, metrology, and inspection. These lasers require [#70-116](#) Sapphire SF NX CDRH Certified Controller for power and control, sold separately.