

[See all 9 Products in Family](#)

Sapphire SF NX 488nm,150mW CDRH Laser Head

See More by [Coherent®](#)



Photo shows #70-113

Stock **#70-113** 1 In Stock

-

1

+

S\$18,228^{.00}

ADD TO CART

Volume Pricing	
Qty 1+	S\$18,228.00 each
Need More?	Request Quote

Product Downloads

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

1397892	
Physical & Mechanical Properties	
Pointing Stability after Warm Up (mrad/°C):	<5
Pointing Stability (μrad):	<30
Optical Properties	
Spatial Mode:	TEM ₀₀
Wavelength (nm):	488.00
Mode Quality, M ² :	<1.1
Beam Diameter Tolerance (mm):	±0.05
Beam Diameter (mm):	0.70
Beam Divergence (mrad):	Full Angle: <1.2
Color:	Blue
Electrical	
Output Power (mW):	150
Power Stability (%):	<2
RMS Noise:	≤0.25% (20Hz to 20MHz)
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
Output Type:	Free Space
Environmental & Durability Factors	
Operating Temperature (°C):	10 to 40
Regulatory Compliance	
Certificate of Conformance:	View

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.