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Sapphire SF NX 488nm,150mW CDRH Laser Head

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Photo shows #70-113

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

⊖ 1 ⊕ MRP ₹13,82,724

① Price inclusive of all taxes

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Qty 1+	₹13,82,724 each
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General

Warm-Up Time (minutes):
<5

Manufacturer:
Coherent®

Type of Laser:
Solid State

Laser Class - CDRH:
IIIb

1397892

Model Number:

Physical & Mechanical Properties

Pointing Stability after Warm Up (mrad/°C):
<5

Pointing Stability (μrad):
<30

Optical Properties

Spatial Mode:
TEM₀₀

Wavelength (nm):
488.00

Mode Quality, M²:
<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](#)

Country of Origin:
Germany

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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.