

# Onyx MCCP 9015-3-HDPKG

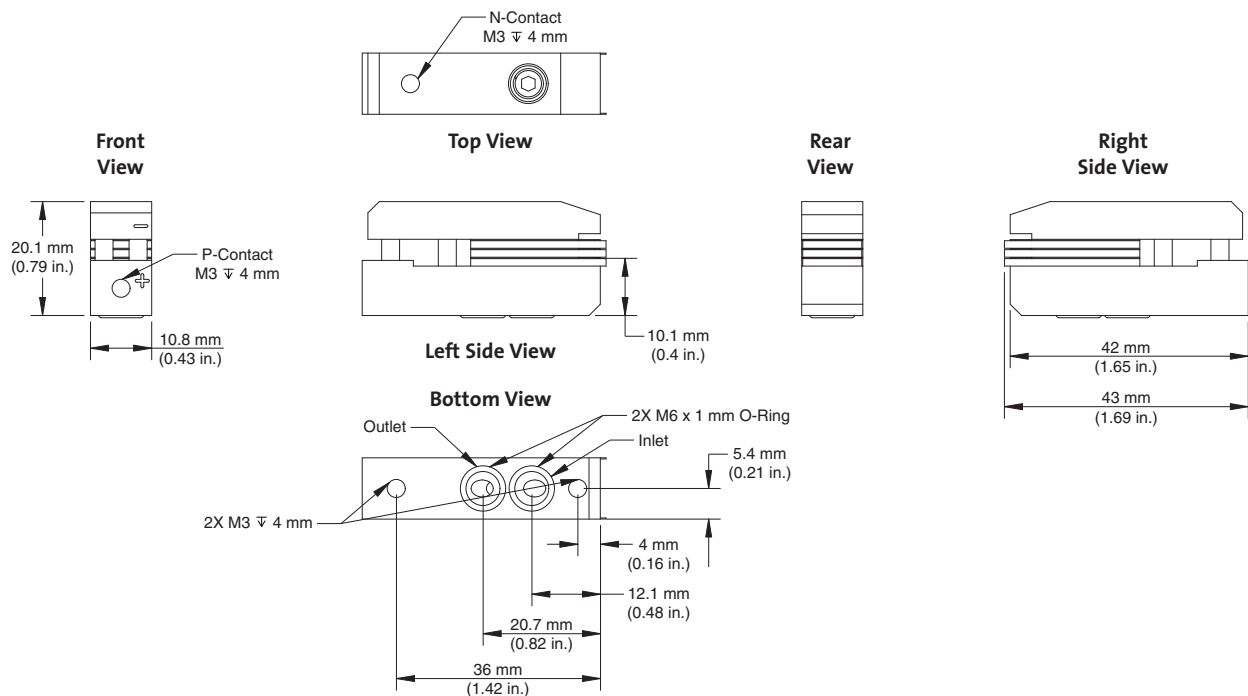
9015 Series High-Power Three-Bar Package



## Features

- Up to 300 Watts CW
- 1.6 mm bar pitch
- 11 mm array width
- 0.5 degree fast axis collimation (optional)
- Minimum package width for high-density, two-dimensional arrays

## Mechanical Specifications



**Superior Reliability & Performance**

# Onyx™ MCCP 9015-3-HDPKG

## 9015 Series High-Power Three-Bar Package

### Device Specifications

Wavelength <sup>1</sup> and Wavelength Tolerance	Same as Onyx 9001 Series specification
Array Spectral Width (nm)	<5
Power/Bar	Same as Onyx 9001 Series specification
Coolant Temperature <sup>2</sup>	Same as Onyx 9001 Series specification
Bar Geometry (Fill Factor, Emitter Dimensions)	Same as Onyx 9001 Series specification
Bar Pitch (mm)	1.6
Divergence FWHM (no lenses)	Same as Onyx 9001 Series specification
Divergence FWHM (with fast lens)	Same as Onyx 9001 Series specification
Thermal Resistance (deg. C/W)	0.3
Typical Coolant Pressure (psi)	35
Coolant Flow Rate/Bar in Stack (l/min.)	Same as Onyx 9001 Series specification
Operating Current and Threshold Current	Same as Onyx 9001 Series specification
Series Resistance/Bar ( $\Omega$ )	0.005
Storage Temperature ( $^{\circ}$ C)	5 to 40
Operating Temperature ( $^{\circ}$ C)	20 nominal; 10 to 35

<sup>1</sup> Additional wavelengths are available; please contact Coherent.

<sup>2</sup> The following water conditions must be met: Operation at temperatures below the dew point requires the use of Class D breathing air environment; deionized water is required; conductivity should be maintained at 2 to 4 microsiemens or 250K ohms to 500K ohms; the pH should be maintained at a range from 6.5 to 7.5; water filter should be rated from 5 to 10 microns.

Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all Onyx Diode Laser Bars. For full details of this warranty coverage, please refer to the Service section at [www.Coherent.com](http://www.Coherent.com) or contact your local Sales or Service Representative.



[www.Coherent.com](http://www.Coherent.com)

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