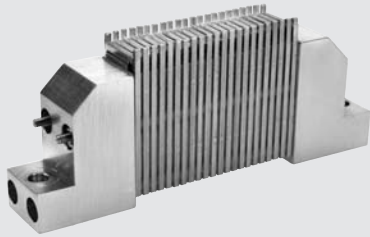


Onyx MCCP 9013-HPPKG

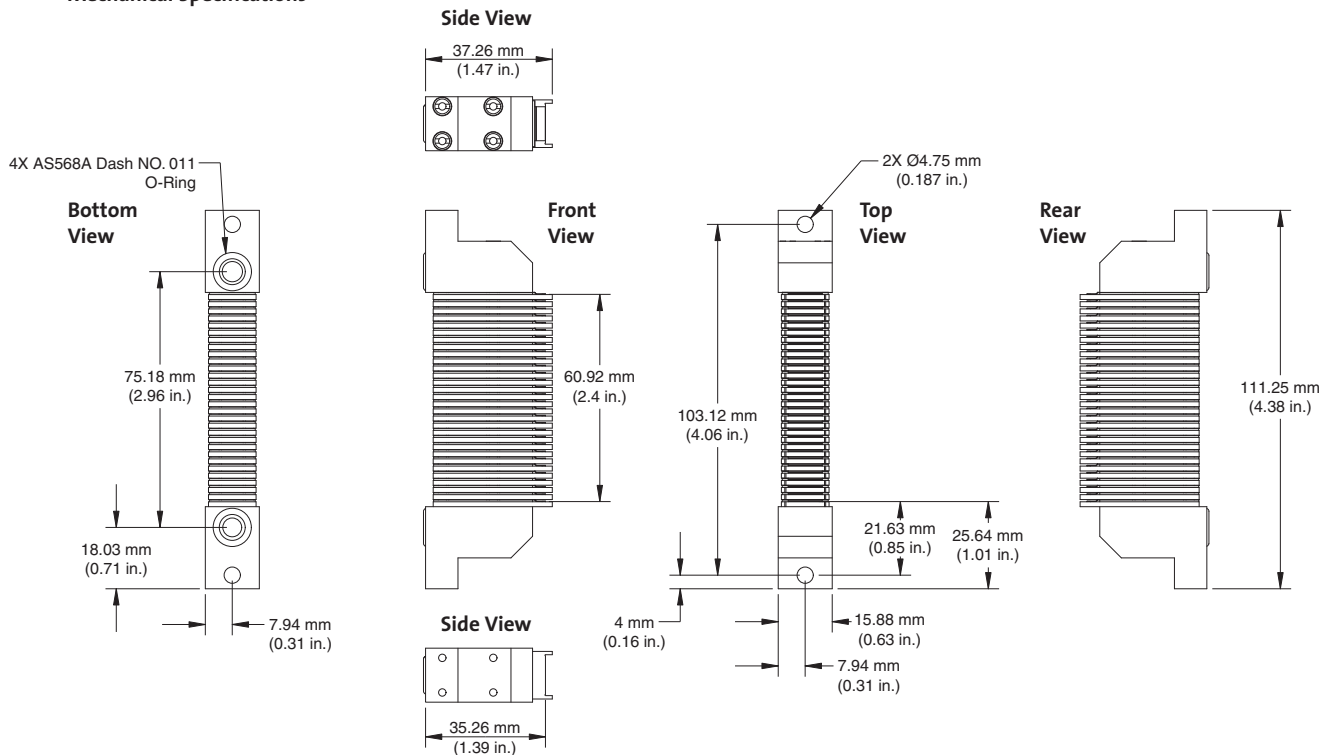
9013 Series High-Power Array 2.1 mm Pitch



Features

- High-power, high-density vertical array, up to 30 bars
- Compatible with any Coherent 9000 laser diode bar
- Power levels up to 3000W
- 2.1 mm vertical bar-to-bar pitch
- CW, QCW, or ON-OFF (“Hard Pulsed”) Operation
- 16 mm package width for high density two-dimensional arrays
- Fast axis and slow axis collimation available
- Water-cooled

Mechanical Specifications



Superior Reliability & Performance

Onyx™ MCCP 9013-HPPKG

9013 Series High-Power Array 2.1 mm Pitch

Device Specifications

Number of Bars	5, 10, 20, 30
Wavelength ¹ and Wavelength Tolerance	Same as Onyx 9000 Series specification
Array Spectral Width (FWHM)(nm)	<5
Power/Bar	Same as Onyx 9000 Series specification
Coolant Temperature ²	Same as Onyx 9000 Series specification
Bar Geometry	Same as Onyx 9000 Series specification
Bar Pitch (mm)	2.1
Divergence FWHM (no lenses)	Same as Onyx 9000 Series specification
Divergence FWHM (with fast lens)	Same as Onyx 9000 Series specification
Divergence FWHM (with fast/slow lens)	Same as Onyx 9000 Series specification
Maximum Coolant Pressure (psi)	65
Typical Coolant Pressure (psi)	35
Coolant Flow Rate/Bar in Stack (l/min.)	Same as Onyx 9000 Series specification
Operating Voltage/Bar in Stack (V)	<1.9
Series Resistance/Bar in Stack (Ω)	0.005
Storage Temperature (°C)	5 to 40
Operating Temperature (°C)	20 nominal; 10 to 35

¹ Additional wavelengths are available; please contact Coherent.

² 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 7.0 to 7.5; water filter should be rated <30 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 or contact your local Sales or Service Representative.



www.Coherent.com

Coherent, Inc.
 5100 Patrick Henry Drive
 Santa Clara, CA 95054
 phone (800) 527-3786
 (408) 764-4983
 fax (408) 764-4646
 e-mail tech.sales@Coherent.com

Benelux +31 (30) 280 6060
 China +86 (10) 6280 0209
 France +33 (0)1 6985 5145
 Germany +49 (6071) 9680
 Italy +39 (02) 34 530 214
 Japan +81 (3) 5635 8700
 Korea +82 (2) 460 7900
 UK +44 (1353) 658 833

