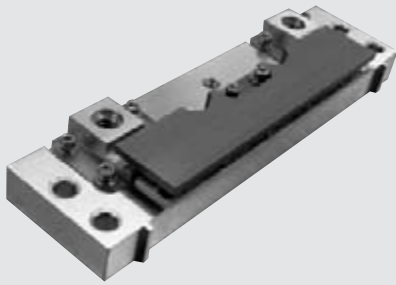




PulseLife QCW Horizontal Array

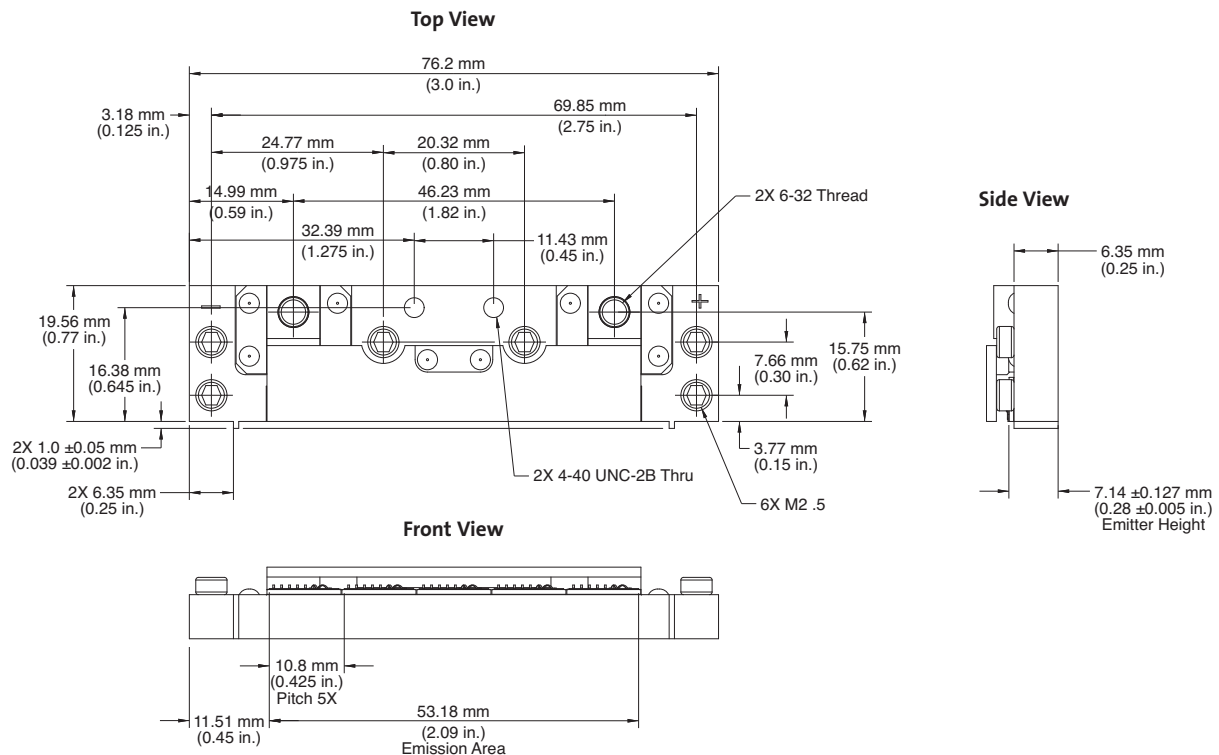
Conduction-Cooled Horizontal Array



Features

- Conduction-cooled 5-bar array with up to 1000W QCW output power
- Unique AAA™ (Aluminum-free Active Area) design for highest reliability and lifetime ($>1e10$ shots MTTF)
- PulseLife™ hard-solder technology
- Low divergence option available

Mechanical Specifications



Superior Reliability & Performance

PulseLife™ QCW Horizontal Array

Conduction-Cooled Horizontal Array

Device Specifications

	5-bar Arrays	
QCW Output Power, Total (W)	500	1000
QCW Output Power per Bar (W)	100	200
Center Wavelength ¹ (nm)	808 ±3	808 ±3
Wavelength Temperature Coefficient (nm/C)	0.28	0.28
Spectral Width ¹ (FWHM)	<3	<4
Fast Axis Divergence (FWHM)	<35	<26
Slow Axis Divergence (FWHM)	<10	<10
Operating Current (A)	<120 (109 typical)	<250 (225 typical)
Operating Voltage (V)	<11	<14
Recommended Operating Temperature (°C)	25	25
Recommended Operating Temperature Range ² (°C)	15 to 35	15 to 35
Storage Temperature Range ² (°C)	-30 to +60	-30 to +60
Intended Operation Mode	QCW only	QCW only

¹ At rated power and operating temperature.

² In clean dry air; non-condensing environment.

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 PulseLife arrays. 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.



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