
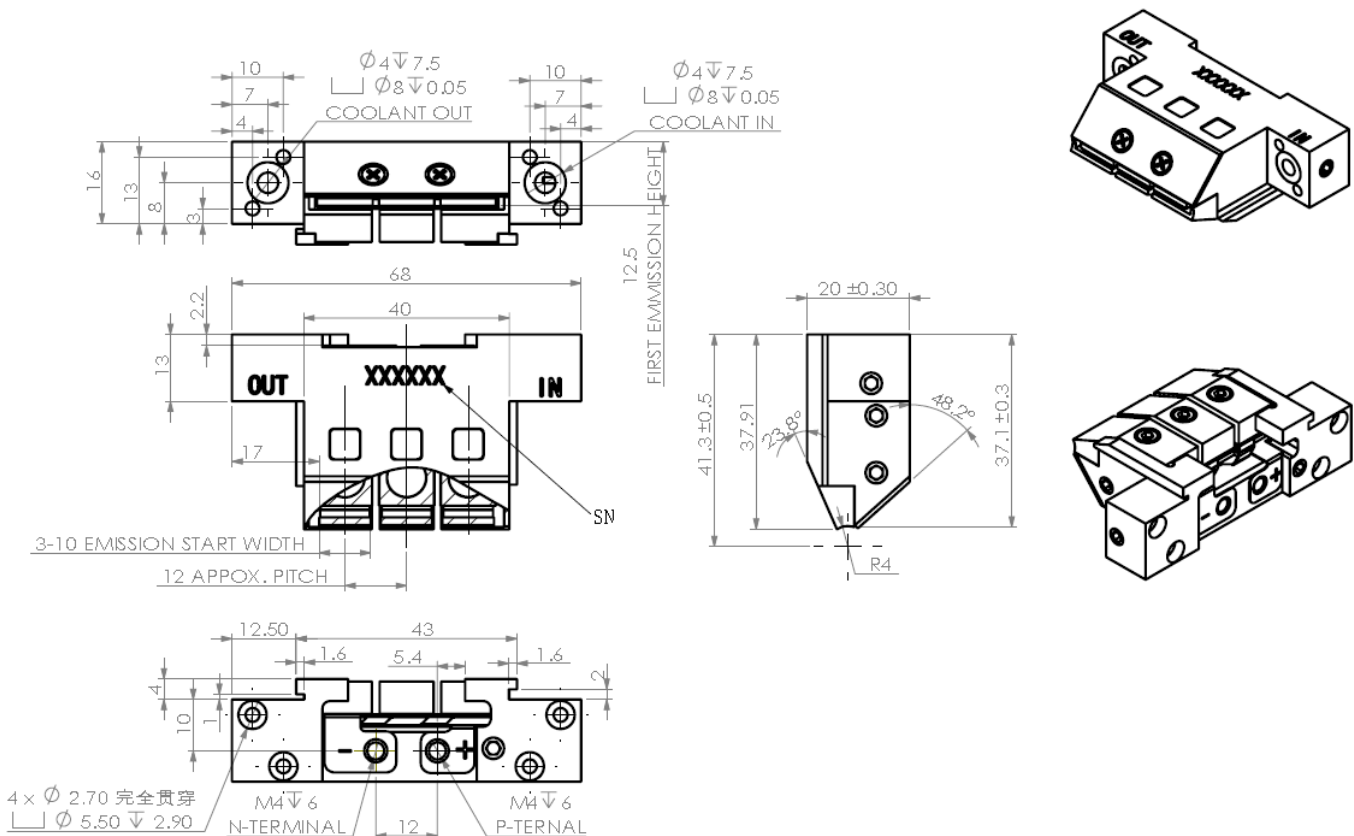


# Micro-Channel Water Cooled Horizontal Array Diode Laser HA18

	<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Long lifetime</li> <li>• High power</li> <li>• Narrow spectrum</li> </ul>	<p><b>Applications</b></p> <ul style="list-style-type: none"> <li>• Pumping</li> <li>• Industry</li> <li>• Scientific research</li> </ul>
---	---	---

## Product Dimensions (mm)



**Remark:** The structure drawing is for reference only (3 bars). Please feel free to contact us for any special requirements.

## Product Specifications

<b>Product Code</b>	<b>(Typical Customization)</b>
Part No. <sup>1</sup>	FL-HA18-1X3-150-808

General Data	Unit	Value
Operation Mode	-	CW

Optical Data <sup>2</sup>	Unit	Value
Centroid Wavelength	nm	808
Wavelength Tolerance	nm	± 3
Output Power per Bar	W	50
Number of Bars <sup>3</sup>	-	3
Spectral Width FWHM	nm	≤ 4
Spectral Width 90% Energy	nm	≤ 6
Fast Axis Divergence (FWHM)	°	35 (typical)
Slow Axis Divergence (FWHM)	°	8 (typical)
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm / °C	~ 0.28

Electrical Data	Unit	Value
Operation Current	A	≤ 55
Threshold Current	A	≤ 30
Operating Voltage per Bar	V	≤ 2
Slope Efficiency per Bar	W / A	≥ 1.1
Power Conversion Efficiency	%	≥ 50

Thermal Data	Unit	Value
Operating Temperature <sup>4</sup>	°C	20~30
Storage Temperature <sup>5</sup>	°C	0~55

<sup>1</sup> Part No. = Brand Code - Series - Power - Centroid Wavelength.

<sup>2</sup> Data at 25°C temperature, unless otherwise stated.

<sup>3</sup> The multiple bars as optional (2-6Bars).

<sup>4</sup> Reduced lifetime if used above nominal operating conditions.

<sup>5</sup> A non-condensing environment is required for storage and operation below ambient dew level.

