
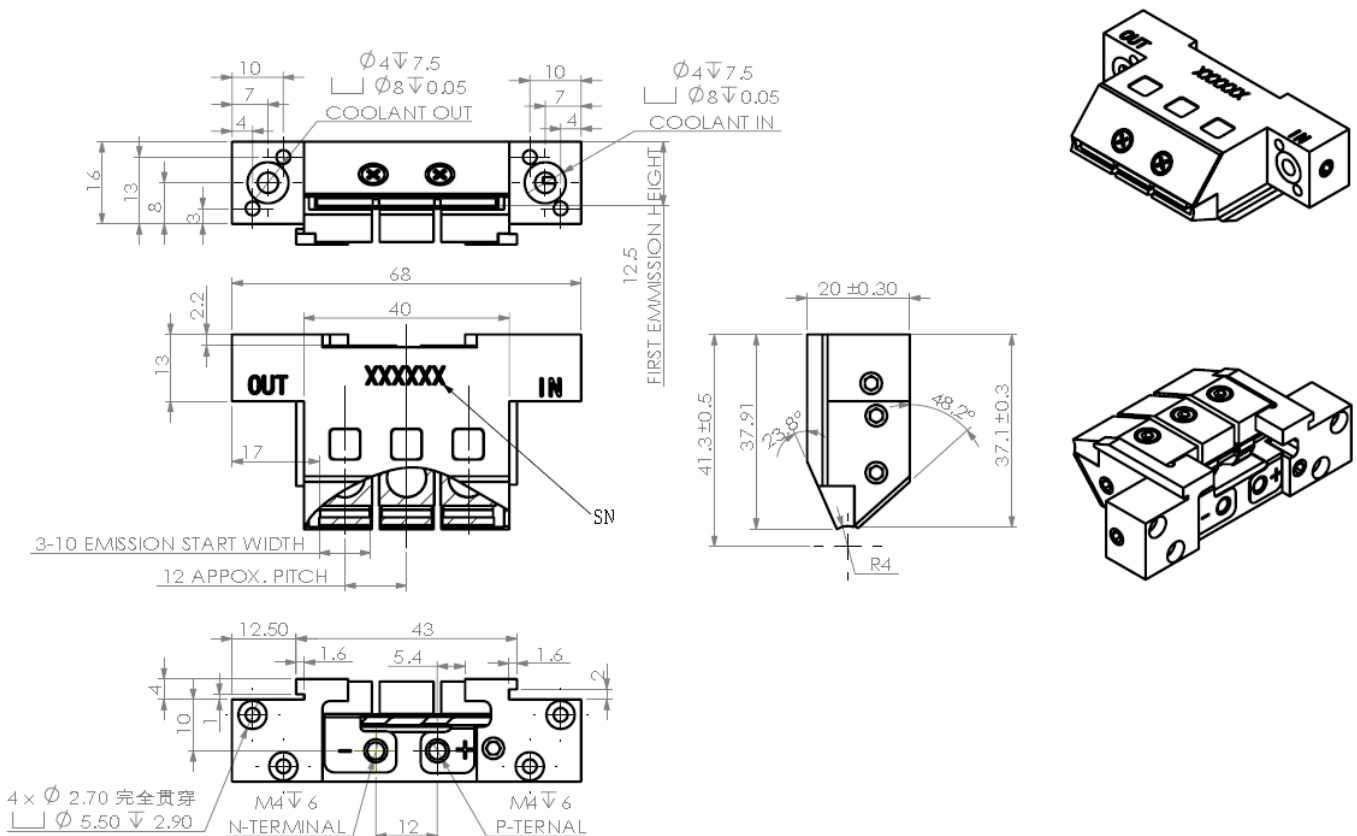


Micro-Channel Water Cooled Horizontal Array Diode Laser HA18

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

Product Code	(Typical Customization)
Part No. ¹	FL-HA18-1X3-150-808

General Data	Unit	Value
Operation Mode	-	CW

Optical Data ²	Unit	Value
Centroid Wavelength	nm	808
Wavelength Tolerance	nm	± 3
Output Power per Bar	W	50
Number of Bars ³	-	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 ⁴	°C	20~30
Storage Temperature ⁵	°C	0~55

¹ Part No. = Brand Code - Series - Power - Centroid Wavelength.

² Data at 25°C temperature, unless otherwise stated.

³ The multiple bars as optional (2-6Bars).

⁴ Reduced lifetime if used above nominal operating conditions.

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

