

Micro-Channel Water Cooled Horizontal Array Diode Laser HA18



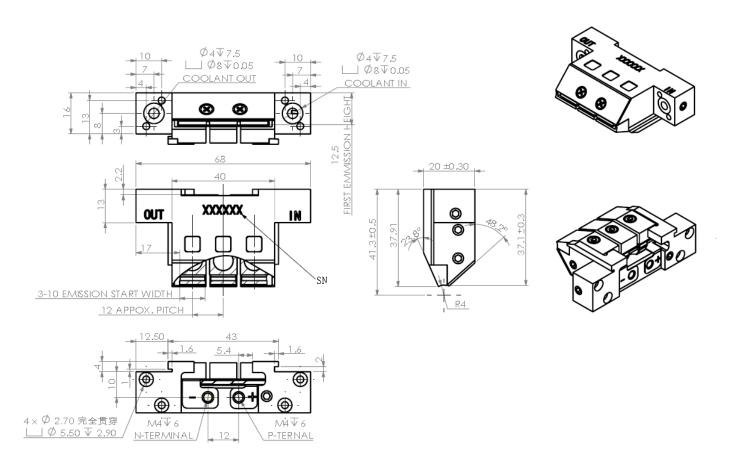
Features

- Long lifetime
- High power
- Narrow spectrum

Applications

- Pumping
- Industry
- Scientific research

Product Dimensions (mm)



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

All rights reserved. Product specifications and descriptions are subject to change. Product delivered with limited warranty. Please contact our sales representatives for complete details. Address: 56 Zhangba 6th Road, High-Tech Zone, 710077 Xi'an, Shaanxi, P. R. China Focuslight Technologies Inc. Tel: +86 29 8188 9945 | Email: sales@focuslight.com | Website: https://www.focuslight.com



Product Specifications

Product Code		(Typical Customization)
Part No. ¹		FL-HA18-1X3-150-808
General Data	Unit	Value
Operation Mode	-	CW
Optical Data ²		
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)	٥	35(typical)
Slow Axis Divergence (FWHM)	٥	8 (typical)
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm /°C	~ 0.28
Electrical Data		
Operation Current	А	≤ 55
Threshold Current	А	≤ 30
Operating Voltage per Bar	V	≤ 2
Slope Efficiency per Bar	W / A	≥ 1.1
Power Conversion Efficiency	%	≥ 50
Thermal Data		
Operating Temperature ⁴	°C	20~30
Storage Temperature ⁵	°C	0~55

¹Part 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.



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