Micro-Channel Water Cooled Vertical Stack (CW)

VS120 Series

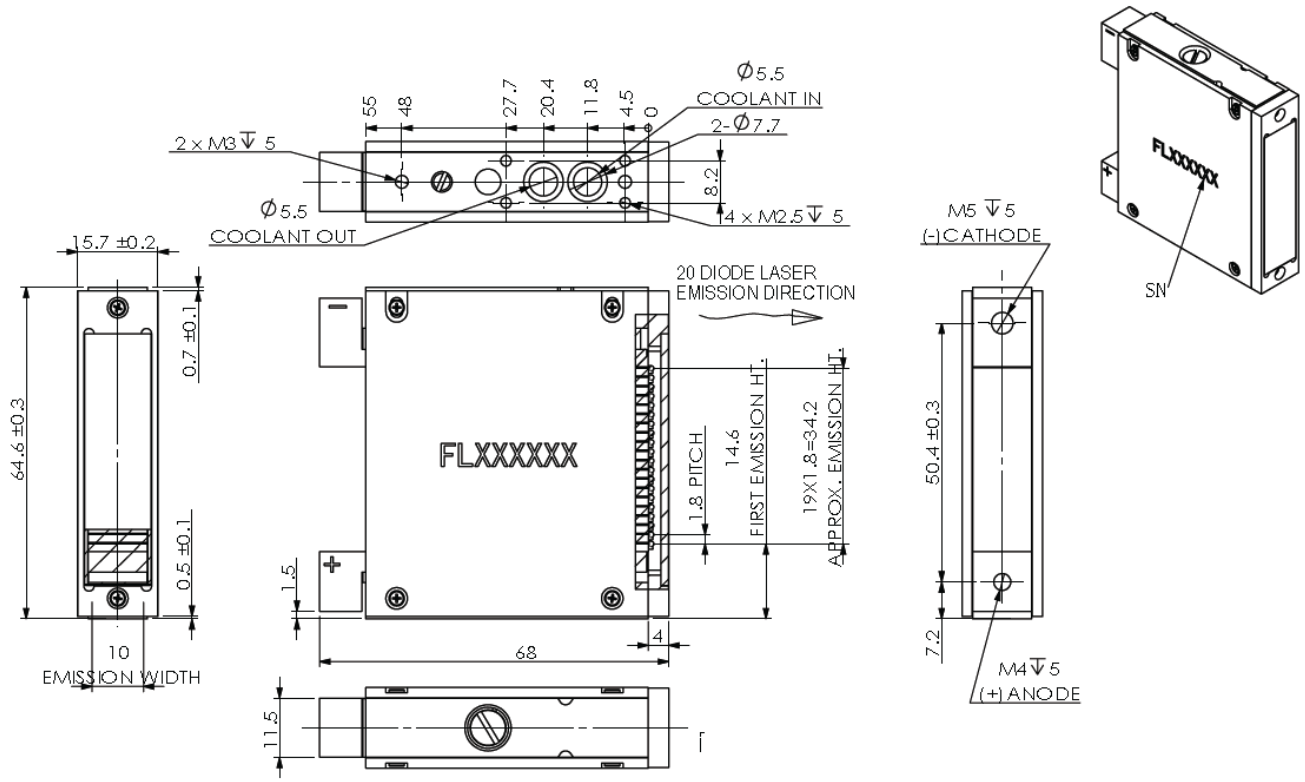
Features

- Long lifetime
- Low smile
- High power
- Narrow spectrum

Applications

- Pumping
- Industry
- Scientific research

Product Dimensions (mm)



Remark: The structure drawing is for reference only (20 bars). Please feel free to contact us for any special requirements.

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Product Specifications

Product Code	**(Typical Customization)**
Part No. [1][3]	FL-VS120-6X1-600-808-Y

General Data	**Unit**	**Value**
Operation Mode	-	CW
Bar Pitch	mm	1.8
Optical Data [2]		
Centroid Wavelength	nm	808
Wavelength Tolerance	nm	± 3
Output Power per Bar	W	100
Number of Bars [3]	-	6
Spectral Width FWHM	nm	≤ 4
Spectral Width 90% Energy	nm	≤ 6
Fast Axis Divergence (FWHM)	°	< 0.5
Slow Axis Divergence (FWHM)	°	8 (typical)
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm / °C	~ 0.28
Electrical Data		
Operation Current	A	≤ 100
Threshold Current	A	≤ 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

[1] Part No. = Brand Code - Series - Power - Centroid Wavelength(- Collimation).
[2] Data at 25°C temperature, unless otherwise stated.
[3] Customizable number of bars (2-20 bars) available on demand.
[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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