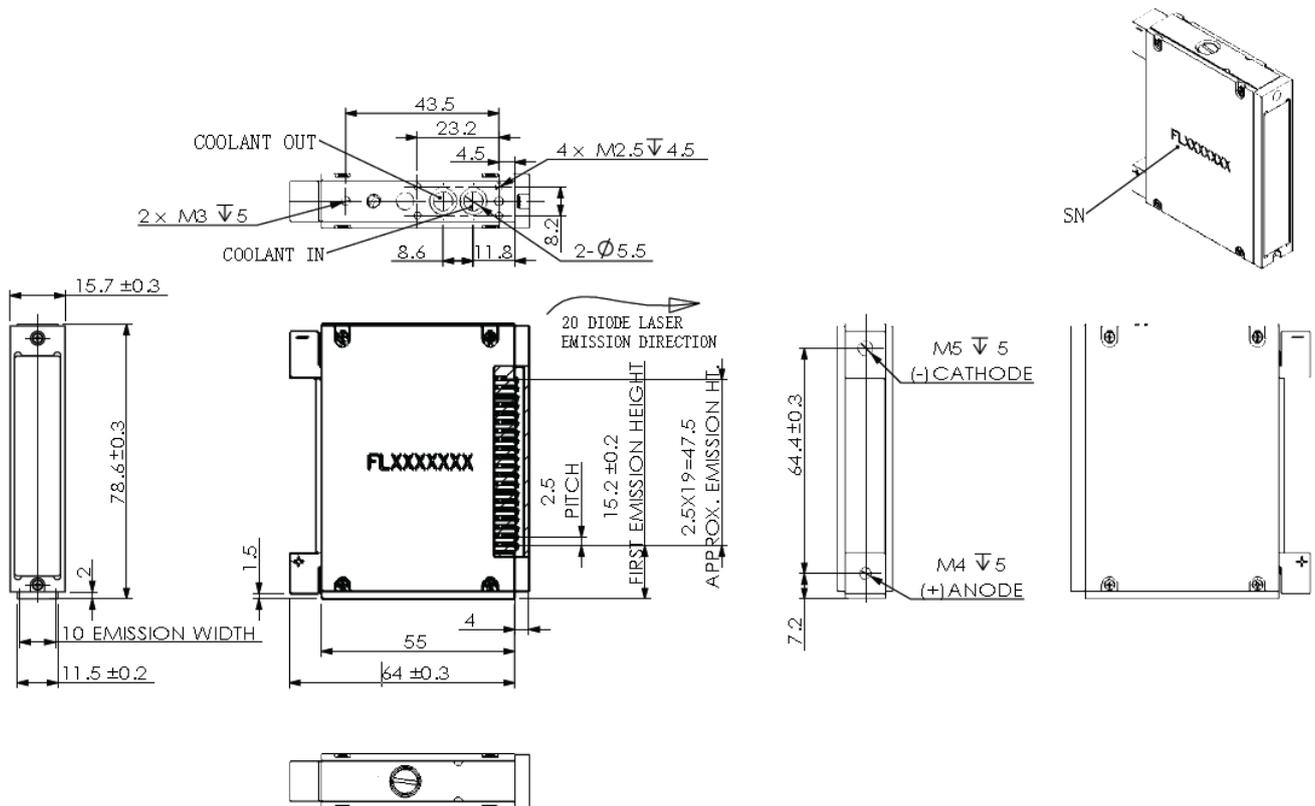


# Micro-Channel Water Cooled Vertical Stack (CW)

## VS300 Series

	<h3>Features</h3>	<h3>Applications</h3>
	<ul style="list-style-type: none"> <li>• Long lifetime</li> <li>• Low smile</li> <li>• High power</li> <li>• Fast-axis collimation</li> </ul>	<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(20Bars). Please feel free to contact us for any special requirements.

## Product Specifications

<b>Product Code</b>	(Typical Customization)
Part No. <sup>1,3</sup>	FL-VS300-9X1-1800-940-Y

General Data	Unit	Value
Operation Mode	-	CW
Bar Pitch	mm	2.5

Optical Data <sup>2</sup>		
Centroid Wavelength	nm	940
Wavelength Tolerance	nm	± 5
Output Power per Bar	W	200
Number of Bars <sup>3</sup>	-	9
Spectral Width FWHM	nm	≤ 5
Spectral Width 90% Energy	nm	≤ 8
Fast Axis Divergence (FWHM)	°	< 0.5
Slow Axis Divergence (FWHM)	°	10 (typical)
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm / °C	~ 0.34

Electrical Data		
Operation Current	A	≤ 200
Threshold Current	A	≤ 35
Operating Voltage per Bar	V	≤ 2
Slope Efficiency per Bar	W / A	≥ 1.1
Power Conversion Efficiency	%	≥ 55

Thermal Data		
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(- Collimation).

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

<sup>3</sup> The multiple bars as optional (2-20 bars).

<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.

