

# Micro-Channel Water Cooled Vertical Stack Diode Laser HVS85



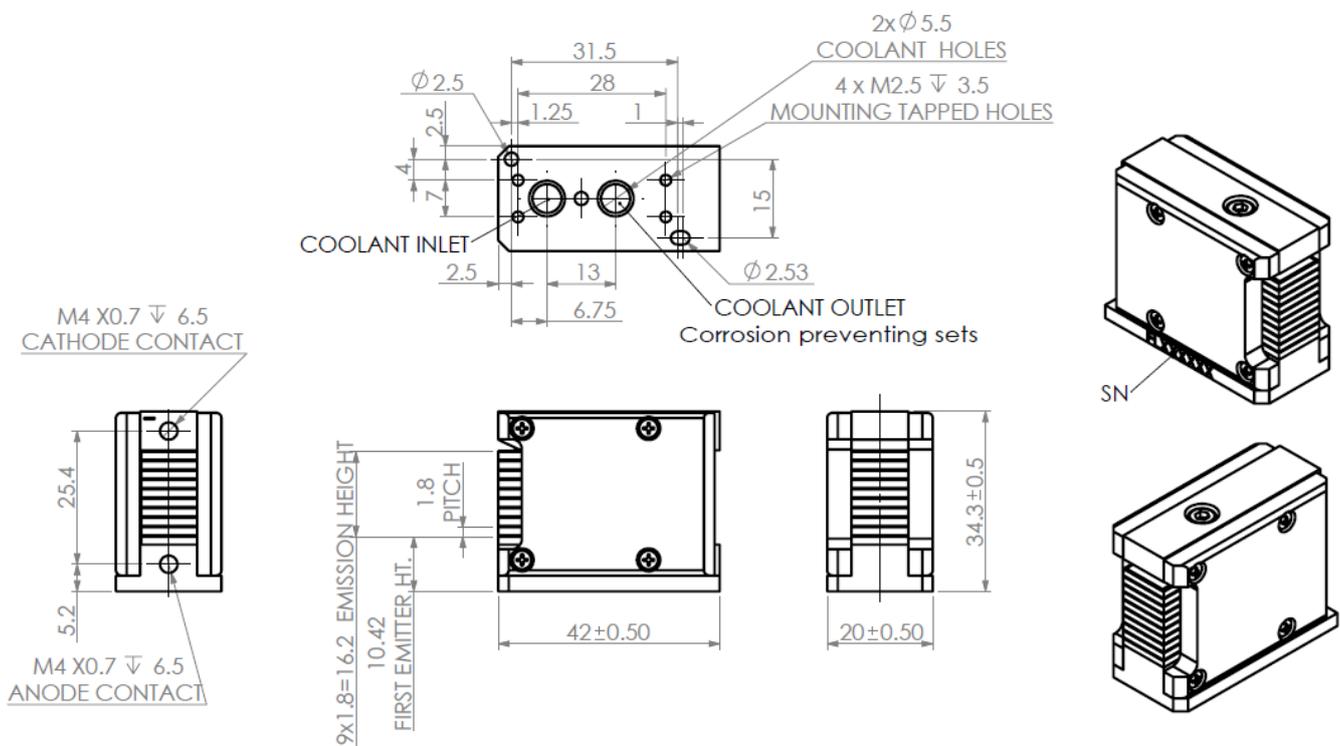
## Features

- AuSn bonding
- High power
- Long life

## Applications

- Hair removal

## Product Dimensions (mm)



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

## Product Specifications

<b>Product Code</b>	<b>HAR000117</b>
Part No. <sup>1</sup>	FL-HVS85-10×1-1000-808

Optical Data <sup>2</sup>	Unit	Value
Centroid Wavelength	nm	808
Wavelength Tolerance	nm	± 15
Output Power per bar <sup>3</sup>	W	100
Fast Axis Divergence (FWHM)	degree	35
Slow Axis Divergence (FWHM)	degree	8
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm/°C	~ 0.28

Electrical Data <sup>2</sup>		
Operation Current	A	≤ 110
Threshold Current	A	≤ 25
Operating Voltage per bar	V	≤ 2
Slope Efficiency	W/A	≥ 1.1
Power Conversion Efficiency	%	≥ 50

Miscellaneous Data <sup>2</sup>		
Operating Temperature <sup>4</sup>	°C	20 ~ 30
Coolant	-	Deionized water
Flow Rate per bar	L/min	0.2 ~ 0.4
Max Inlet Pressure	kPa	380
Conductivity	µs/cm	≤ 5

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

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

<sup>3</sup>Reduced lifetime if used above nominal operating conditions.

<sup>4</sup>A non-condensing environment is required for storage and operation below ambient dew level.

