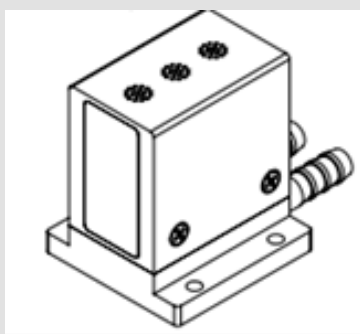




Vshiny™ Micro-Channel Water Cooled Vertical Stack Diode Laser

HVS62



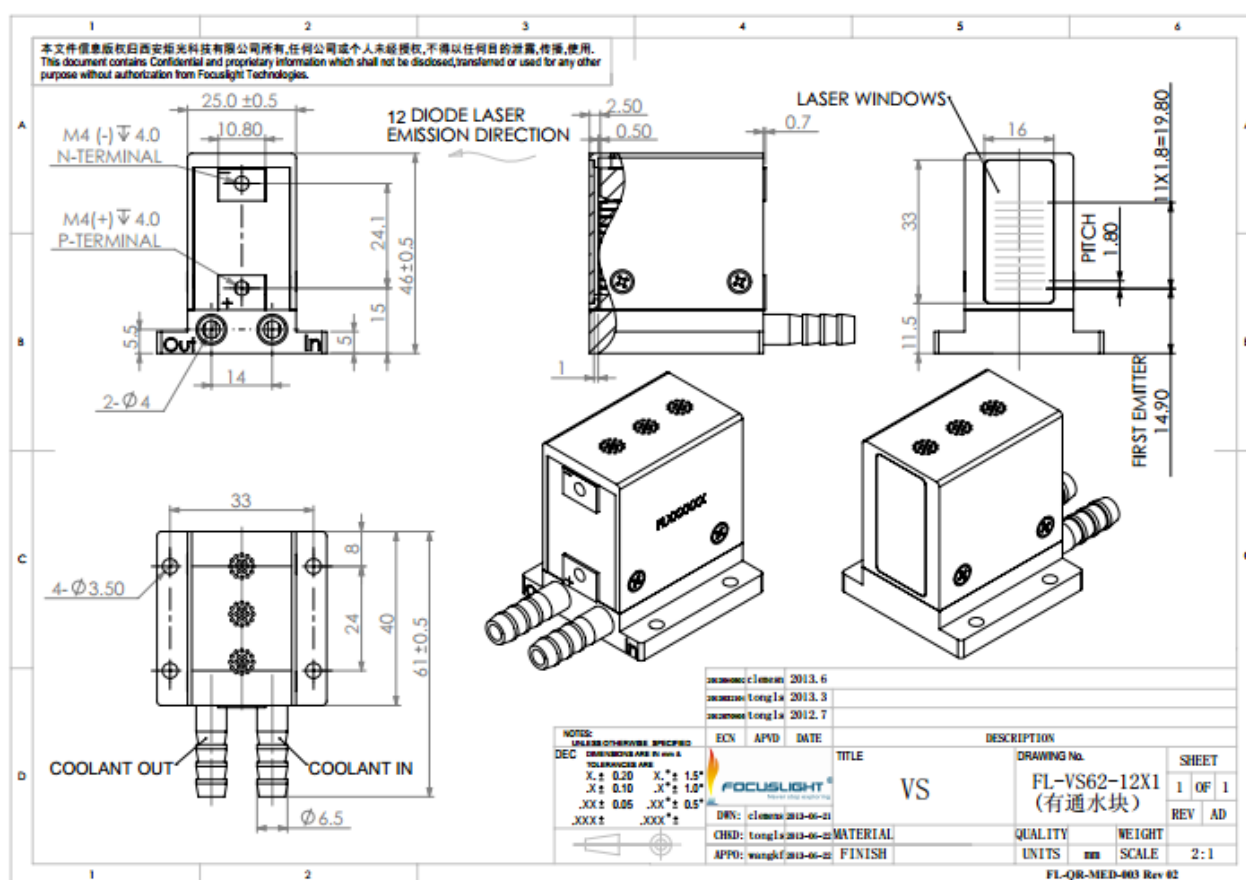
Features

- Long lifetime
- High power
- Uniform beam profile

Applications

- Hair removal

Device Dimension (mm)



1 This structure drawing is only for reference. For any other special requirement, please feel free to contact us.

2 Drawings for 1-12bars are available. Please contact Focuslight for details.

Specification

Module Type ¹	Units	FL-HVS62-12X1-600-760
Optical ^{3,6}		
Center Wavelength λ	nm	760
Wavelength Tolerance	nm	± 15
Output Power per Bar ²	W	50
Number of bars	#	12
Bar-to-Bar Spacing	mm	1.8
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm/°C	~ 0.32
Electrical Parameters ^{3,5}		
Operating Current I_{op}	A	≤ 65
Threshold Current I_{th}	A	≤ 25
Operating Voltage V_{op}	V	≤ 2
Slope Efficiency	W/A	≥ 1.1
Power Conversion Efficiency	%	≥ 42
Thermal Parameters		
Operating Temperature ⁶	°C	25 \pm 5
Storage Temperature ⁴	°C	0~55
Coolant	-	Deionized water
Flow Rate per bar	L/min	0.2~0.4
Max Inlet Pressure	kPa	380
Conductivity	$\mu s \cdot cm^{-1}$	<5

¹Explanation for the name of Module Type: FL (abbreviation of Focuslight) –VSxx (structure code) –N (number of bars) –X (output power) –# (center wavelength)

²Reduced lifetime if used above nominal operating conditions.

³Data at 25°C, unless otherwise stated.

⁴A non-condensing environment is required for storage and operation below ambient dew point

⁵It is recommended to use cooling water machine for laser cooling, Refrigerating capacity $\geq 1.5 \cdot PPK \cdot (DC) \cdot \max$

⁶If there are any other requirements, please contact us



Focuslight Technologies Inc.

Add: 56 Zhangba 6th Road, High-Tech Zone

Xi'an, Shaanxi 710077, P. R. China

Tel: +86 29 8956 0050

Fax: +86 29 8177 5810

Email: sales@focuslight.com.cn

Website: www.focuslight.com.cn

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