FocusMed®

Vshiny™ Micro-Channel Water Cooled Vertical Stack Diode Laser

HVS61

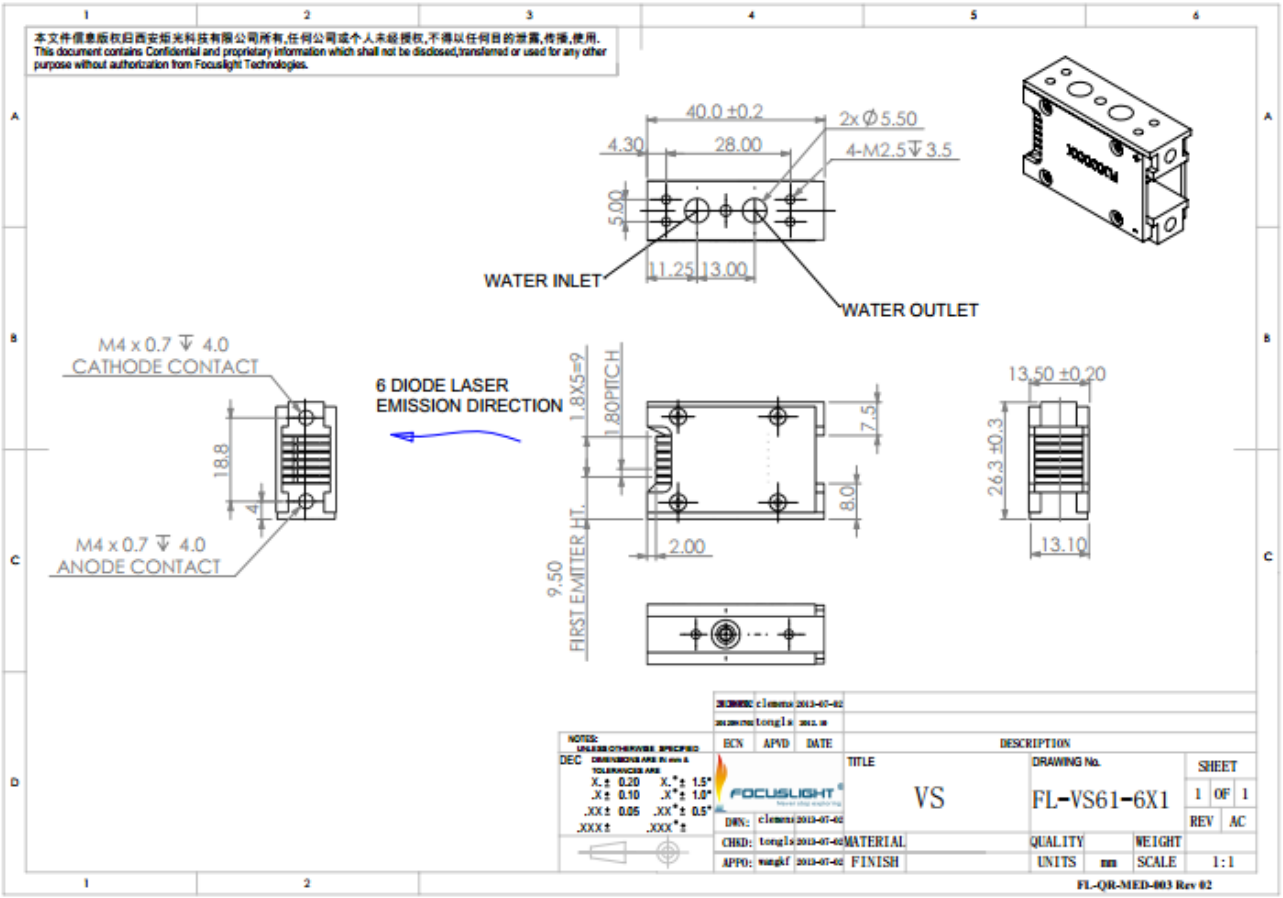
Features

- Long lifetime
- Uniform beam profile
- High power

Applications

- Medical & Cosmetic

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 1-6bars are available. Please contact Focuslight for details.

Specification

Module Type [1]	Units	FL-HVS61-6X1-600-1060
Optical [3,6]		
Center Wavelength λ	nm	1060
Wavelength Tolerance	nm	±20
Output Power per Bar[2]	W	100
Number of bars	#	6
Bar-to-Bar Spacing	mm	1.8
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm/℃	~0.4
Electrical Parameters [3,5]		
Operating Current I_{op}	A	≤115
Threshold Current I_{th}	A	≤15
Operating Voltage V_{op} /bar	V	≤2
Slope Efficiency	W/A	≥1
Power Conversion Efficiency	%	≥50
Thermal Parameters		
Operating Temperature[6]	℃	25±5
Storage Temperature[4]	℃	0~55
Coolant	-	Deionized water
Flow Rate per bar	L/min	0.2~0.4
Max Inlet Pressure	kPa	380
Conductivity	μs*cm^{-1}	＜5

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

[2]Reduced lifetime if used above nominal operating conditions.

[3]Data at 25℃,unless otherwise stated.

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

[5]It is recommended to use cooling water machine for laser cooling , Refrigerating capacity≥1.5*PPK *（DC）max

[6]If 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