Conduction Cooled Vertical Stack Diode Laser

Vsilk 2 Pro-2000

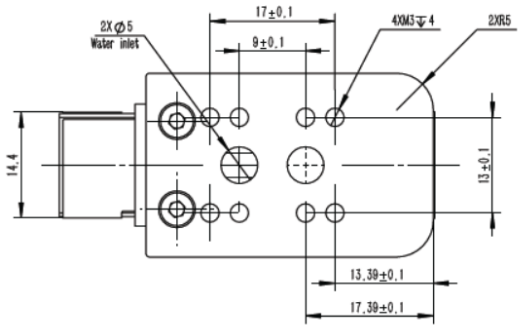
Features

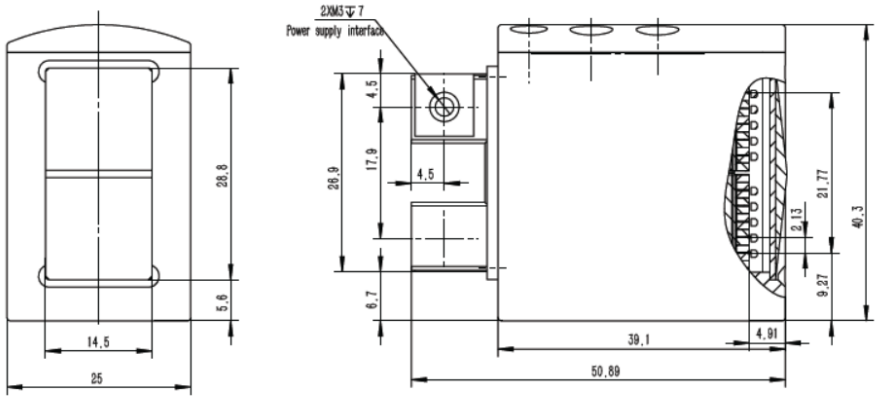
- High power 200W/bar
- High beam quality
- High reliability
- Small size
- Light weight

Applications

- Hair removal

Product Dimensions (mm)





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

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Product Specifications

Product Code

Part No. [1]	FL-Vsilk2Pro-2000-808

Optical Data [2]	Unit	Value
Centroid Wavelength	nm	808
Wavelength Tolerance	nm	± 15
Output Power [3]	W	2000
Number of bars	-	10
Bar to Bar Pitch	mm	2.1
Fast Axis Divergence 95%	°	5 ~ 7
Slow Axis Divergence 95%	°	12 ~ 14
Spot Size [4]	mm	12 × 24
Wavelength Temp. Coefficient	nm/°C	~ 0.28
Electrical Data [2]		
Operation Current	A	≤ 210
Threshold Current	A	≤ 30
Operating Voltage	V	≤ 20
Slope Efficiency per bar	W/A	≥ 1.1
Power Conversion Efficiency	%	≥ 48
Max. Pulse Width	ms	100
Max. Duty Cycle	%	10
Miscellaneous Data [2]		
Operating Temperature [5]	°C	22 ~ 28
Coolant	-	Distilled water or pure water
Flow Rate	L/min	3 ~ 4

[1] Part No. = Brand Code - Series - Power - Centroid Wavelength .
[2] Data at 25°C unless otherwise stated.
[3] Reduced lifetime if used above nominal operating conditions.
[4] At the 32mm working distance.
[5] A non-condensing environment is required for storage and operation below ambient dew level.

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Recommended Operation Condition

Vsilk 2 Pro-2000 Energy Table														
Energy(J)		Frequency(Hz)											Iop	
		1	2	3	4	5	6	7	8	9	10	20		~200A
Pulse width (ms)	5	10	10	10	10	10	10	10	10	10	10	10		~150A
	10	20	20	20	20	20	20	20	20	20	20			~120A
	20	31	31	31	31	31								~90A
	30	35	35	35									Water Temperature: T=25±3°C Flow Rate: 3~4L/min	
	40	46	46											
	50	58												
	100	75												

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