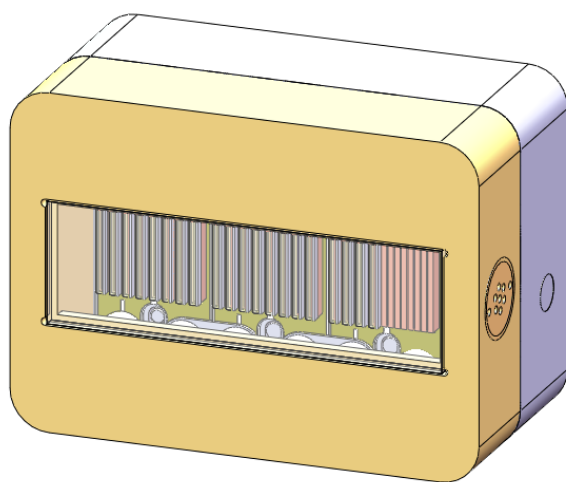


Macro Channel Vertical stack

C1Y-808F-3000Q-VH(1-20)



Features :

- ♦ 20 bars, $808 \pm 10\text{nm}$ wavelength
- ♦ 3000W QCW-5ms 20Hz 10%DC
- ♦ 3000W QCW-20ms 5Hz 10%DC
- ♦ 1200W QCW-100ms 2Hz 20%DC

Applications :

- ♦ Medical
- ♦ Pumping
- ♦ industrial application

Main Characters :

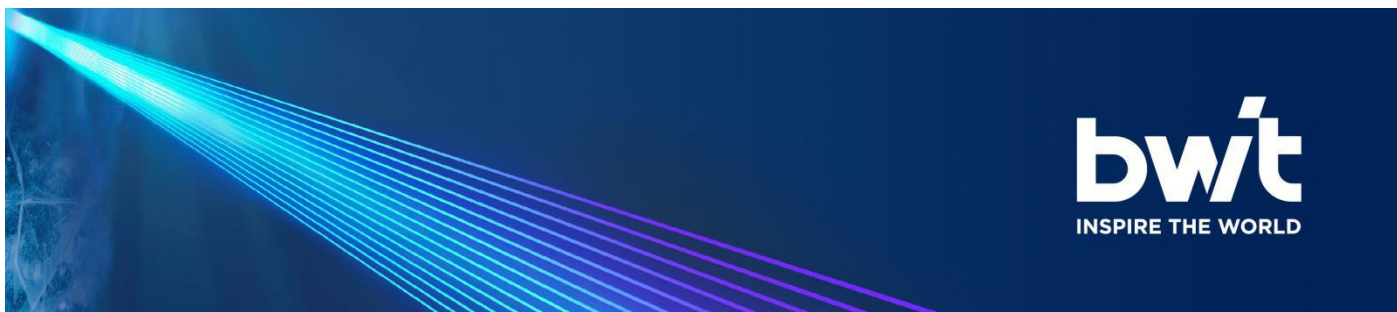
- ♦ Compact design
- ♦ Macro channel cooling
- ♦ Glass protection cover

BWT, founded in 2003, is committed to the mission of "let the dream drive the light", the vision of becoming the "Global leader in laser solutions", and the value of "Outstanding innovation", providing diode laser, fiber laser, ultra-fast laser products and solutions to global customers.

The company pursues continuous innovation and insists on autonomous and controllable advanced process and technology. With Beijing headquarters as the core, BWT has successively established production and R&D centers in Jiangsu, and Shenzhen, and invested in the construction of an intelligent and digital production base in Tianjin. To build a high level of technical strength and product quality, BWT set up a German subsidiary in 2020, introducing European quality standards, and taking a solid step for the internationalization of R&D, production and technological innovation.

Up to now, BWT has traded more than 10 million lasers worldwide. BWT's products are available in more than 70 countries and regions, with applications involving industry, medical, commercial, scientific research, information, and many other fields.

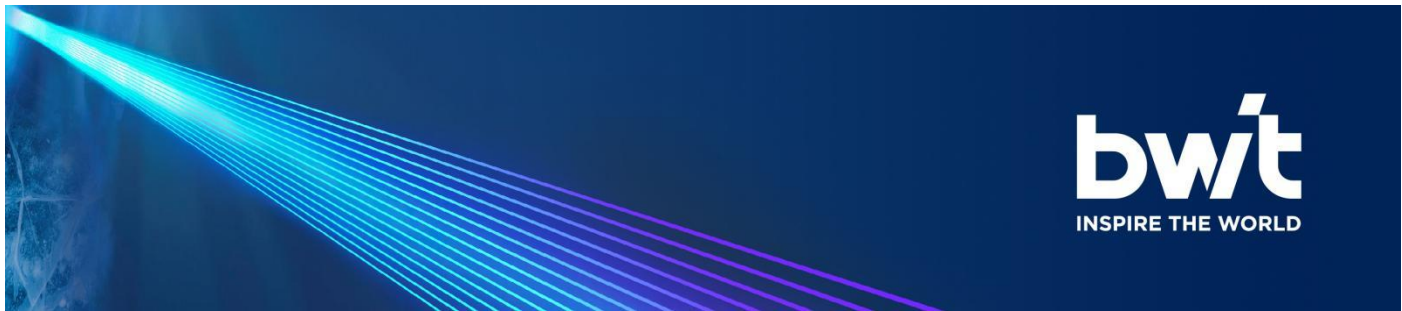
Version number	Change content	Change date
00	First edition	2023.02.07



Macro Channel Vertical stack

C1Y-808F-3000Q-VH(1-20)

Specifications(22℃)	Unit	C1Y-808F-3000Q-VH(1-20)		
Operation Modes		High Peak	Short	Long
Center Wavelength	nm	808±10		
Spectral Width (FWHM)	nm	< 10		
Number of bars	pcs	20		
Pluse Width	ms	5	20	100
Frequency	Hz	20	5	2
Duty Cycle	%	10	10	20
QCW Output Power	W	3000	3000	1500
Pulse Power per bar	W	150	150	75
Average Power	W	300	300	300
Max. Operating Current	A	160	160	95
Typical Operating Current	A	140	140	85
Typical Threshold Current(Max)	A	15	15	15
Typical Slop	W/A	24	24	21.8
Typical Operating Voltage(Max)	V	38	38	37
Expected Lifetime(20% Power Drop EOL)	Mshots	30	15	15
Fast Axis Divergence with FAC (95% power)	degree	12		
Slow Axis Divergence (95% power)	degree	12		
Flow Rate	l/min	2.4±0.1		
Cooling Water Temperature	℃	18~25		
Maximum Inlet Pressure	kPa	400		
Maximum Pressure Drop	kPa	100		
Water Connection		O-Ring 6x1 EPDM 70 shore		
Mechanical Fixture		M2.5 screws, torque 0.45Nm		
Water Quality		Industrial grade, anti-freeze possible particle filter<100um (not included)		



Macro Channel Vertical stack

C1Y-808F-3000Q-VH(1-20)

Cooling System		Do not use any material in direct contact that in combination with copper would form galvanic elements (e.g. aluminum, zinc, brass)
Operation Conditions		Non-condensing atmosphere, particle free ambience conditions according to clean room class ISO7

Package Dimensions (mm)

IS(24x1)-C1Y-H-C20bar-0.0	
Customer sign off	
Sign off time	

Declaration: information and specifications contained herein are deemed to be reliable and accurate. BWT Beijing reserves the right to change, alter or modify the design and specifications of these products at any time without notice.21-1