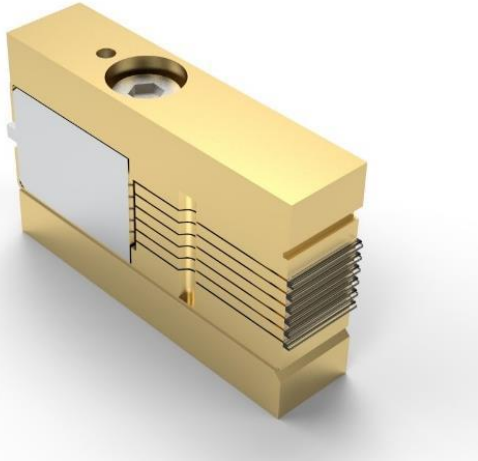


Microchannel Cooled Vertical stack

E2Y-806C-360C-VH1.1(1x6)



Features:

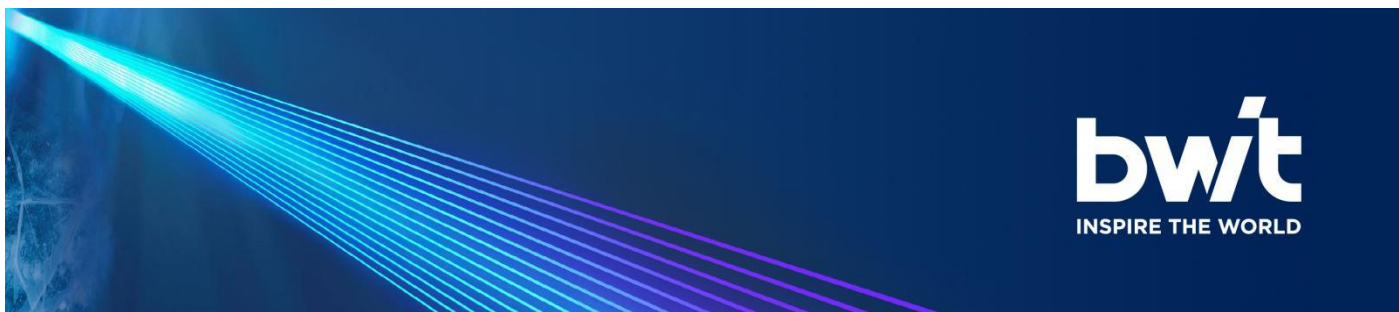
- ◆ 808nm wavelength
- ◆ Low Smile
- ◆ High reliability

Applications:

- ◆ Pumping
- ◆ Scientific Research
- ◆ Medical
- ◆ Material Processing

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, and taking a solid step for the internationalization of R&D, production and technological innovation.



Microchannel Cooled Vertical stack

E2Y-806C-360C-VH1.1(1x6)

Specifications (25°C)		Symbol	Unit	E2Y-806C-360C-VH1.1(1x6)		
				Minimum	Typical	Maximum
Optical Data ⁽¹⁾	Working mode	-	-	CW		
	Output Power	P _o	W	360		
	Center Wavelength	λ _c	nm	804	806	808
	Spectral Width(FWHM)	Δλ	nm	-	2	3
	Wavelength Shift with Temperature	Δλ/ΔT	nm/°C	-	0.28	-
	Fast Axis Divergence with FAC (95% power)	Θ _⊥	mrad	-	7	8
	Slow Axis Divergence (95% power)	Θ	deg	-	8	11
	Polarization	-	-	-	TE	-
Electrical Data	Threshold Current	I _{th}	A	-	10	15
	Operating Current	I _{op}	A	-	60	65
	Operating Voltage	V _{op}	V	-	10.5	12
	Slope Efficiency	η	W/A	6.5	7.2	-
	Electrical-to-Optical Efficiency	PE	%	52	57	-
Others	Number of Bars		pcs		6	
	Pressure	-	Bar	<5		
	Flow Rate	-	L/min	≥1.8		
	Water Quality	-	-	Deionized water 2.5±0.5μS/cm, pH-value 5.5-8, filter≤5μm		
	Storage Temperature ⁽²⁾	-	°C	0-55		

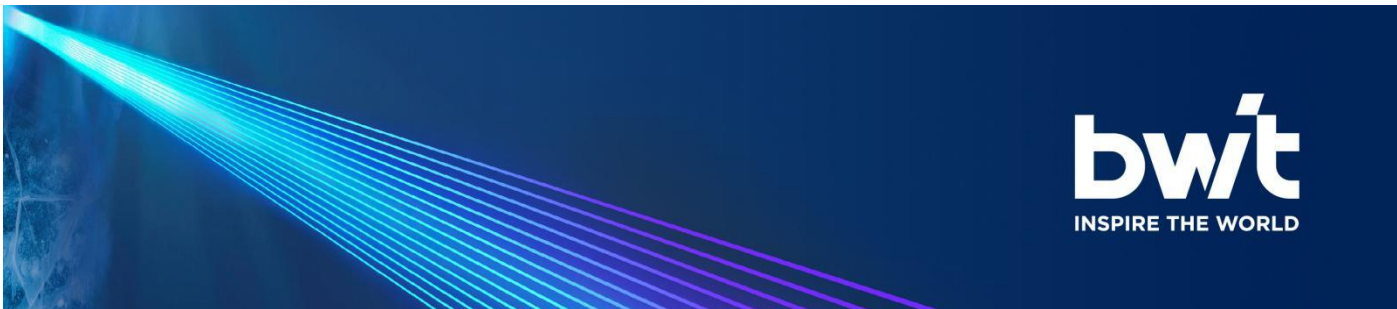
(1) Data measured under operation at nominal output power@25°C.

(2) A non-condensing environment is required for operation and storage.

(3) Operating temperature defined by the package case. Acceptable operating range is 20°C~30°C, but performance may vary;

(4) The above data are for reference only. Please refer to the product package attached data;

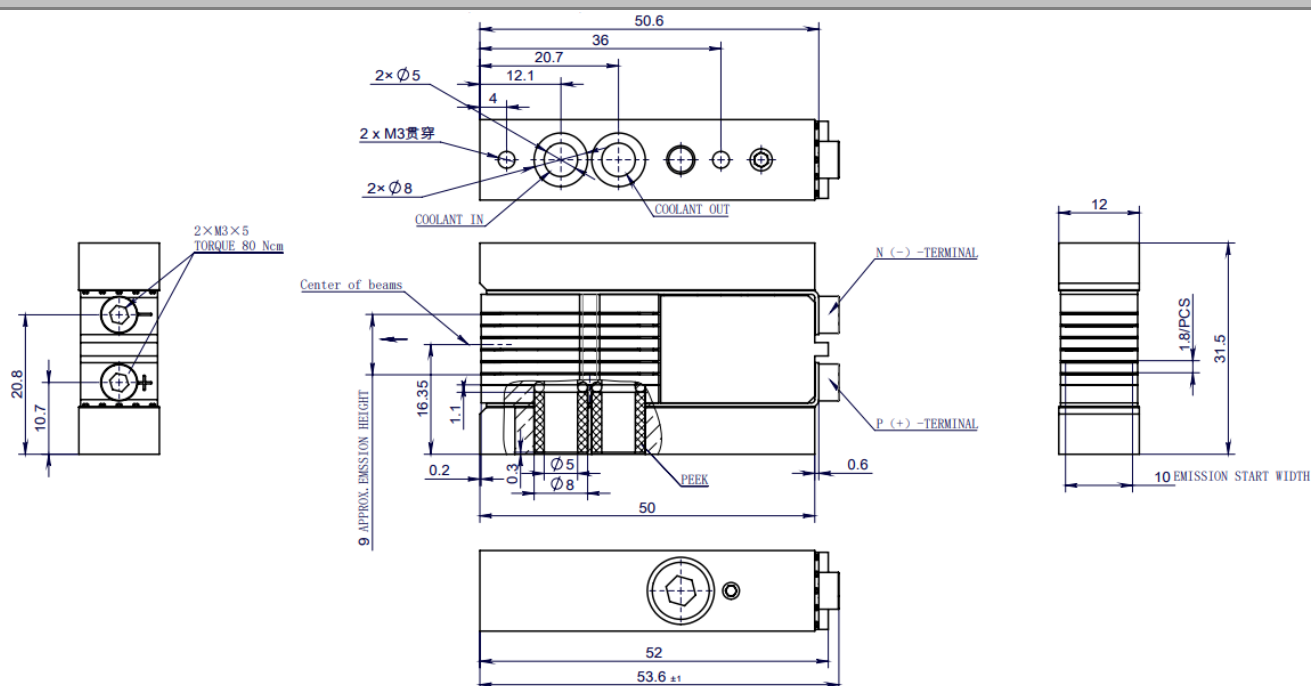
(5) Other wavelengths and parameters can be customized according to customer needs.



Microchannel Cooled Vertical stack

E2Y-806C-360C-VH1.1(1x6)

Package Dimensions (mm)



E2Y-806C-360C-VH1.1(1x6)

Customer sign off

Sign off time

OPERATING NOTES

- ◆ Avoid eye and skin exposure to direct radiation during operation.
- ◆ ESD precautions must be taken during storage, transportation and operation.
- ◆ Short-circuit is required between pins during storage and transportation.
- ◆ Use constant current power supply to avoid surge current during operation.
- ◆ Laser diode must work with good cooling.
- ◆ Operation temperature ranges from 20°C to 30°C .



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.