

## 806 nm 360 W Microchannel Cooled Vertical Stack

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



### Features:

- 806nm wavelength
- Low Smile
- High reliability

### Applications:

- Pumping
- Scientific Research
- Medical
- Material Processing

Specifications (25°C)		Symbol	Unit	E2Y-806C-360C-VH1.1(1x6)		
				Minimum	Typical	Maximum
Optical Data <sup>(1)</sup>	Working mode	-	-	CW		
	Output Power	P <sub>o</sub>	W	360		
	Center Wavelength	λ <sub>c</sub>	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 <sub>⊥</sub>	mrad	-	7	8
	Slow Axis Divergence (95% power)	Θ <sub>∥</sub>	deg	-	8	11
	Polarization	-	-	-	TE	-
Electrical Data	Threshold Current	I <sub>th</sub>	A	-	10	15
	Operating Current	I <sub>op</sub>	A	-	60	65
	Operating Voltage	V <sub>op</sub>	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 <sup>(2)</sup>	-	°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.

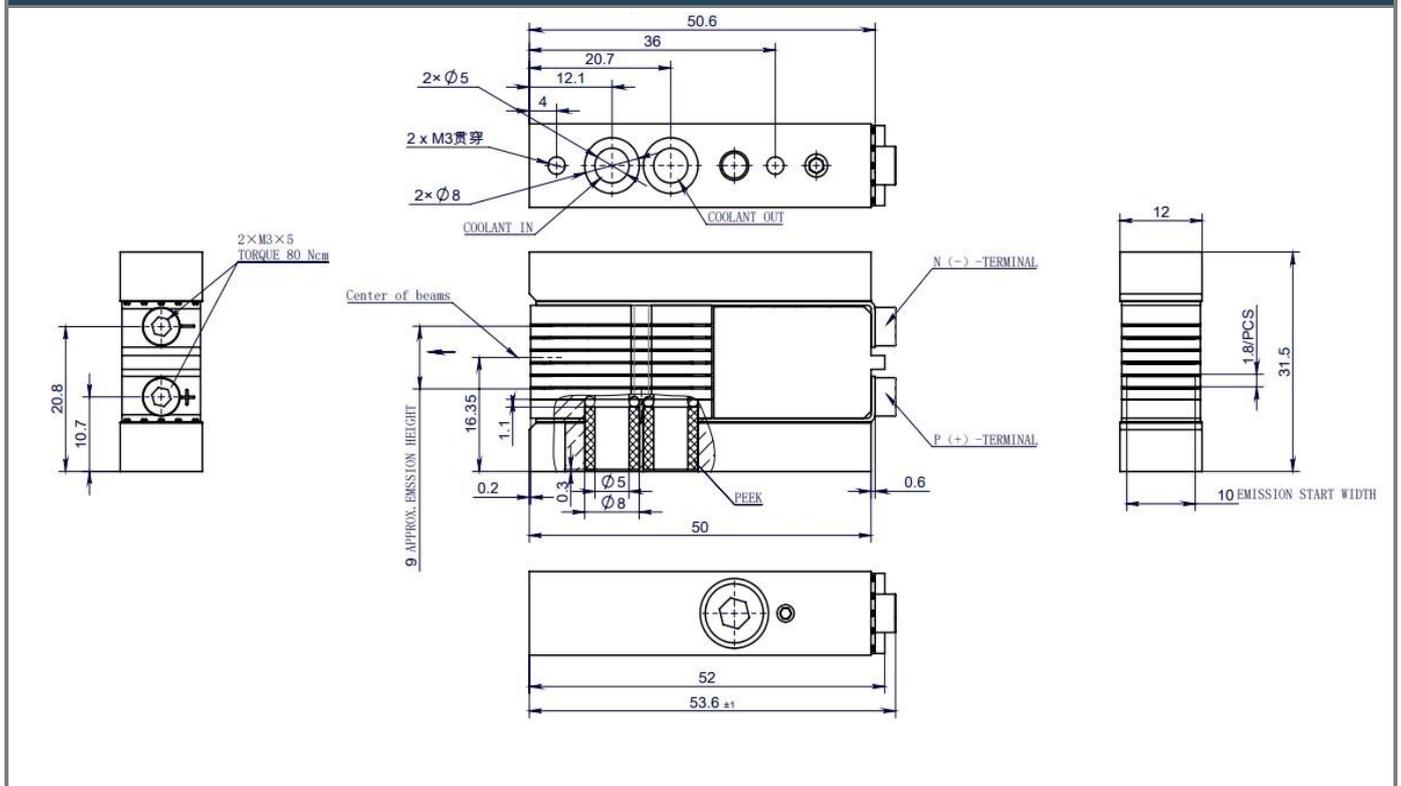
(4) The above data are for reference only. Please refer to the product package attached data.

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

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### Package Dimensions (mm)



### 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.