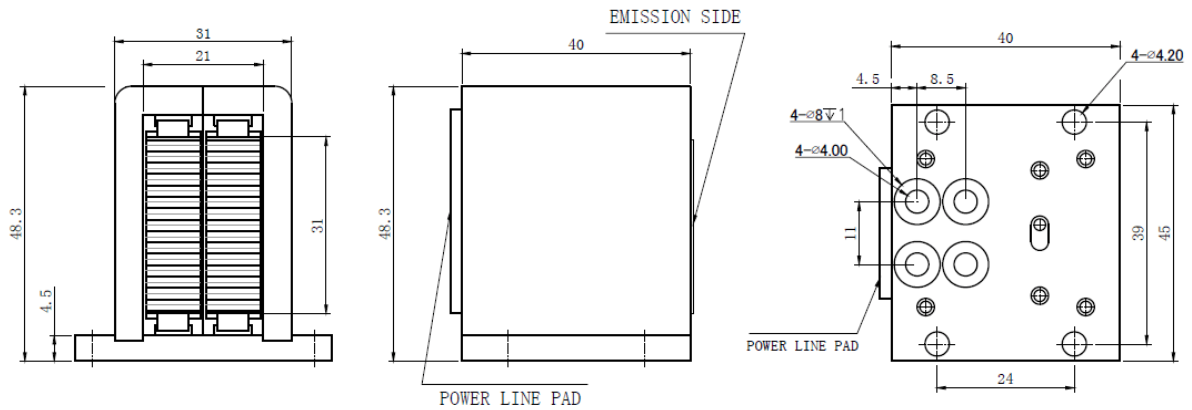


808nm~810nm 1600W Vertical Diode Laser Stacked Array | Macro-Channel Water Cooled | Laser Diode Bar
808nm 1600W QCW High Power Vertical Stack Diode Laser | Hair Removal| Skin Whitening| Laser Pumping
WSLBR-808-1600-VS **Wavespectrum Laser Group** **www.wavespectrum-laser.com.cn**

808nm Vertical Diode Laser Stack		1600W		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE		UNIT	
Reverse Voltage	V_r	2.0		V	
Operating Temperature	T_{op}	+15 ~ +25		°C	
Storage Temperature	T_{stg}	-20 ~ +85		°C	
Lead soldering temperature (10 sec.)	T_{is}	260		°C	
Features: <ul style="list-style-type: none"> 🔸 808nm 🔸 QCW Mode 🔸 Macro-Channel Water Cooled 🔸 Hard Solder Conduction Cooled Package 					
Applications: <ul style="list-style-type: none"> 🔸 Medical Laser Treatment 🔸 Laser Pumping 					
Specifications		WSLBR-808-1600-VS			
		Min	Type	Max	
Center Wavelength@25°C		$\pm 3\text{nm}$	808nm	$\pm 15\text{nm}$	
Output Power		----	1600W	----	
Number of Bar			2*16		
Emitter Size			21mm*31mm		
Bar-to-Bar Spacing			2mm		
Beam Divergence (FWHM)		----	$35^\circ \pm 1 \times 10^\circ //$	----	
Threshold Current (Typ.)		----	11A	12A	
Operating Current (Typ.)		----	50A	55A	
Operating Voltage		----	61V	64V	
Pulse Width				400ms	
Duty Cycle				40%	
Power Conversion Efficiency			48%		
Package Style		Vertical Stack			
Cooling Fluid Type		Deionized Water			
Water Flow		----	----	20um	
Flow Rate			3.5lpm		
Water Pressure			0.4MPa	0.5MPa	
Recommended Operating Temperature		20°C			



Package View



Note:

- (1) For the standard Vertical Stack Diode Laser Array, the Coolant in/out is at the bottom of Array if customers need it at the side(back), it is also available.
- (2) We can **customize** the **Dimension** of the **Diode Laser Bar** according to the customer's request.
- (3) We can **customize** the **Output Power** of **Diode Laser Bar** according to the customer's request.

