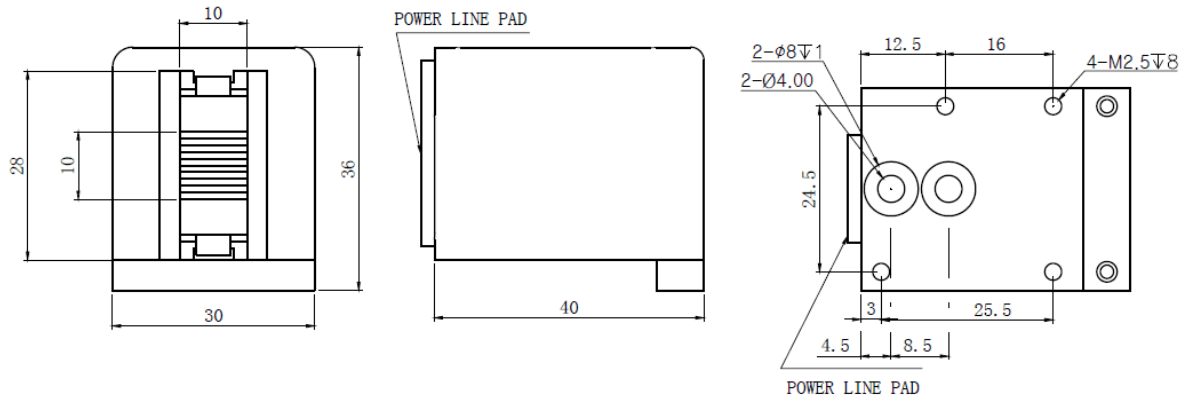


**808nm~810nm 300W Vertical Diode Laser Stacked Array | Macro-Channel Water Cooled | Laser Diode Bar**  
**808nm 300W QCW High Power Vertical Stack Diode Laser | Hair Removal| Skin Whitening| Laser Pumping**  
**WSLBR-808-300-VS**                      **Wavespectrum Laser Group**                      **www.wavespectrum-laser.com.cn**

808nm Vertical Diode Laser Stack 300W		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
<b>Features:</b> <ul style="list-style-type: none"> <li>🔸 808nm</li> <li>🔸 QCW Mode</li> <li>🔸 Macro-Channel Water Cooled</li> <li>🔸 Hard Solder Conduction Cooled Package</li> </ul>			
<b>Applications:</b> <ul style="list-style-type: none"> <li>🔸 Medical Laser Treatment</li> <li>🔸 Laser Pumping</li> </ul>			
<b>Specifications</b>		<b>WSLBR-808-300-VS</b>	
		Min	Type
Center Wavelength@25°C		±3nm	808nm
Output Power		----	300W
Number of Bar			6
Emitter Size			10mm*10mm
Bar-to-Bar Spacing			2mm
Beam Divergence (FWHM)		----	35°± x 10°//
Threshold Current (Typ.)		----	11A
Operating Current (Typ.)		----	50A
Operating Voltage		----	12V
Pulse Width			400ms
Duty Cycle			40%
Power Conversion Efficiency			48%
Package Style		Vertical Stack	
Cooling Fluid Type		Deionized Water	
Water Filter		----	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.

