

# High Power Laser

## Specifications

<b>Model Number</b>	<b>HP-B457-10000-DB</b>	
<b>Optical Specifications</b>		
Wavelength	457 nm	
Center Wavelength Deviation	+/- 1 nm	
Output Power	3000 ~ 10000 mW	
Longitudinal Mode	Multi	
Transverse Mode	Near TEM01	
Power Stability (over 4 hours) (rms)	< 10% (optional: < 3%, < 5%)	
Operating Mode	CW	
Polarization Ratio	> 100:1	
Beam Diameter at the Aperture (1/e <sup>2</sup> )	~ 4.0 mm	
Beam Divergence (Full Angle)	< 2.1 mrad	
Warm-up time	< 12 minutes	
Beam Height from Base Plate	93.5 mm	
Working Temperature	10 to 35 ° C	
Cooling Mode	TEC / FANS	
Estimated Lifetime (MTTF)	10000 hours	
Warranty Time	1 year	
<b>Mechanical Specifications</b>		
Dimension of Laser Head	346 (L) x 140 (W) x 125 (H) mm	
Dimension of Power Supply	336 (L) x 168 (W) x 133 (H) mm	307 (L) x 168 (W) x 123 (H) mm
Dimensional Tolerances	+/- 1 mm	