



**LAB-405-1000**

Transverse mode	multi
<b>Optical characteristics (typ.)</b>	
Central wavelength (nm typ.)	405
Central wavelength tolerance (nm)	± 5
Linewidth (nm typ.)	≤ 5 nm; 2 nm typical
Output power (mW typ.)	1000 <sup>2</sup>
	<sup>1</sup> single mode <sup>2</sup> multi mode
Operation mode	CW / modulated
Power stability (p-p) over 8 hrs within ± 3 °K	<1 % within ± 3 °K
Beam Size D4σ (mm typ.)	3.8x3.8
Beam divergence (mrad at full angle)	0.2 x 1 <sup>2</sup>
	<sup>1</sup> single mode <sup>2</sup> multi mode
<b>Modulation options</b>	
analog, TTL, PWM (VDC)	0-5
Bandwidth (kHz)	DC - 500
Rise and fall time (µs)	1.4
<b>General information</b>	
Heat management	18 W heat load on the bottom side of the laser head
Power supply	12 VDC @ 6 A (peak)
Laser head dimensions (mm <sup>3</sup> )	60 x 26 x 26
Driver unit dimensions (mm <sup>3</sup> )	94 x 37 x 33
<b>Options</b>	
Attachments	line generator, focusing lens, beam expander

