



LAB-830-50

Transverse mode	single
Optical characteristics (typ.)	
Central wavelength (nm typ.)	830
Central wavelength tolerance (nm)	± 5
Linewidth (nm typ.)	≤ 5 nm; 2 nm typical
Output power (mW typ.)	50
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)	<1
Modulation options	
analog, TTL, PWM (VDC)	0-5
Bandwidth (kHz)	DC - 500
Rise and fall time (µs)	1.4
General information	
Heat management	18 W heat load on the bottom side of the laser head
Power supply	12 VDC @ 6 A (peak)
Laser head dimensions (mm³)	60 x 26 x 26
Driver unit dimensions (mm³)	94 x 37 x 33
Options	
Attachments	line generator, focusing lens, beam expander

