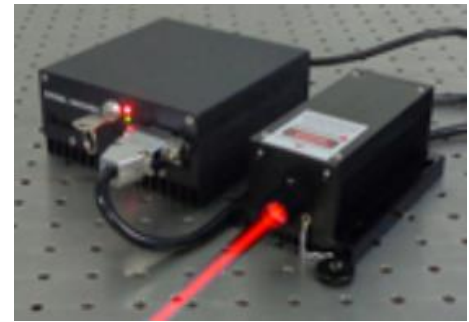


DLH627 Series 627nm Diode Laser System up to 100mW

Overview

The DLH627 series diode laser is ideal for applications that require a wavelength of 627nm and output power levels up to 100mW. The laser features a compact design, long operating lifetime, easy operation, and FDA-compliant system with driver. The laser is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, and many other applications.

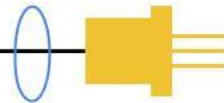


Specifications

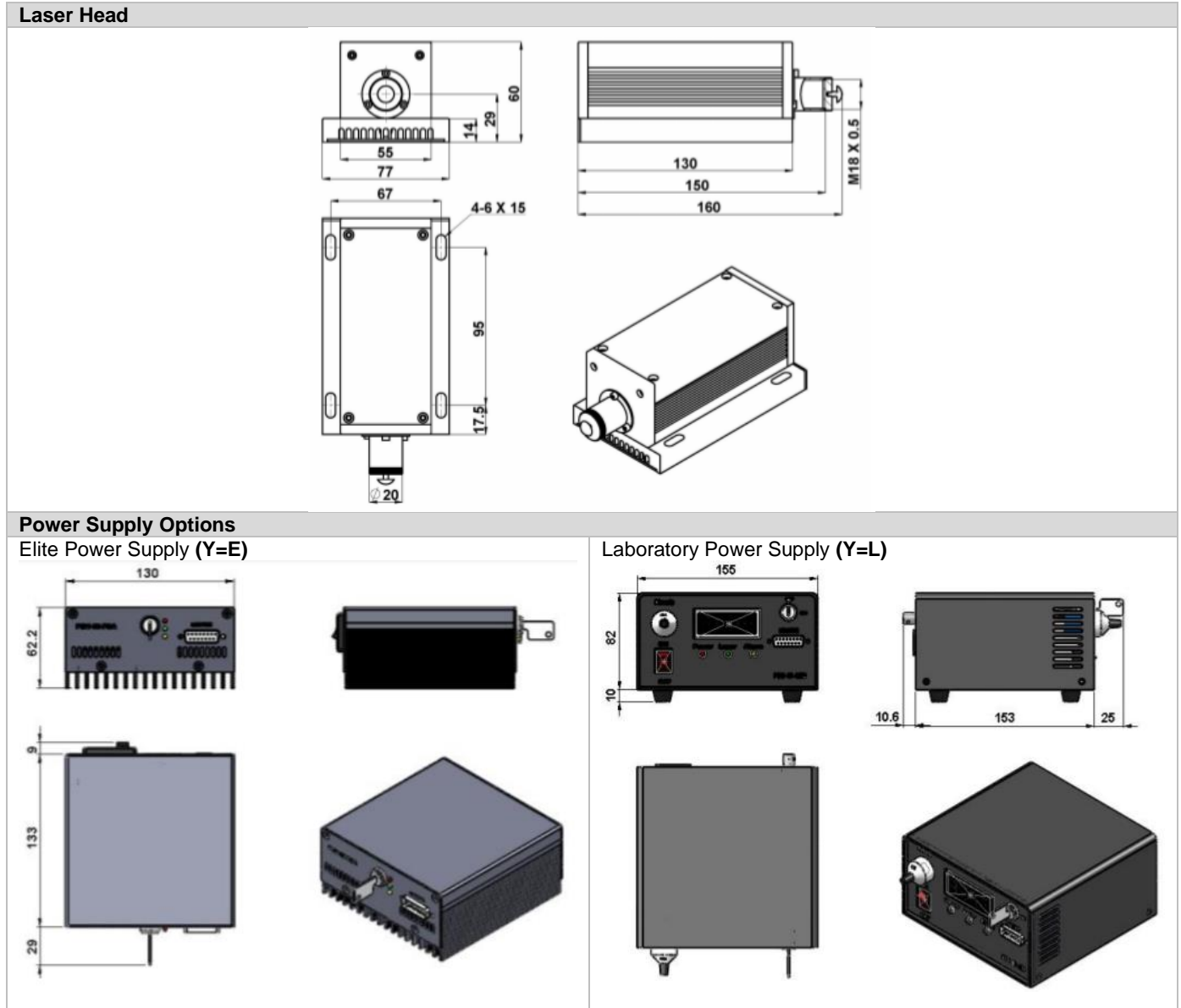
Model Number	DLH627-XYPQ	
Wavelength (nm)	627±5	
Output power (mW)	>10 (X=10), >30 (X=30), >50 (X=50), >80 (X=80), >100 (X=100)	
Transverse mode	Multimode	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1% (P=D)	
Beam diameter at aperture (1/e ² , mm)	~5x7	
Beam divergence, full angle (mrad)	<4.5x1	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	29	
Operating temperature (°C)	10-35	
Dimensions of laser head (mm)	160(L)x77(W) x60(H) mm ³	
Weight of laser head (kg)	0.9 kg	
Power supply options		
Elite Power Supply (Y=E)	Input voltage	100-240VAC
	Dimensions	171(L) x130(W) x62.2(H) mm ³
	Weight	1.2 kg
	Notes	Fixed output power
Laboratory Power Supply (Y=L)	Input voltage	100-240VAC
	Dimensions	188.6(L) x155(W) x92(H) mm ³
	Weight	1.5 kg
	Notes	Adjustable output power
Modulation option	None (Q=0)	
	TTL	1Hz-1kHz (Q=T1), 1kHz-10kHz (Q=T2), 10kHz-30kHz (Q=T3)
	Analog	1Hz-1kHz (Q=A1), 1kHz-10kHz (Q=A2), 10kHz-30kHz (Q=A3)
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IIIb	

Remarks:

- Specifications of the CW laser is based on the laser performance at full power output after the specified warmup period. The stability of output power may change when output power is adjusted at a different power level.



Outline Dimensions (unit: mm)



Note: The above specifications are subject to change without notice.