

Model No. DP-473-XFYP2Q
473nm DPSS LASER UP TO >100mW

The DP-series 473nm LD pumped all-solid-state laser is constructed with features of high stability, FDA compliance, ultra-compactness, long lifetime, low cost and easy operating. It is widely used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, and many other applications.

SPECIFICATIONS

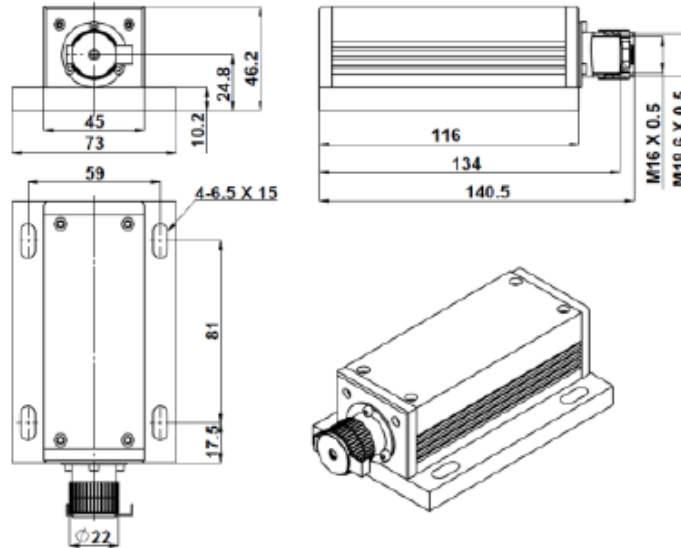
Model No.	DP-473-XFYP2Q	
Wavelength (nm)	473±1	
Output power (mW)	>50 (X=50)	>100 (X=100)
Transverse mode	TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<3% (P=E), <2% (P=2)	<5% (P=A), <3% (P=E)
Dimensions of beam at aperture (1/e², mm)	~1.2	
Beam divergence, full angle (mrad)	<1.5	
M² factor	<1.2	
Polarization ratio	>100:1, Vertical ±5 degree	
Warm-up time (minutes)	<10	
Noise of amplitude (rms, 1~20MHz)	~30%	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Laser head	140.5(L) x 73(W) x 46.2(H) mm ³ , 0.6kg	
Power supply (90-240VAC)	<p>Elite Power supply (Y=E): 133(L) x 130(W) x 62.2 (H) mm³, 1.2kg; with complete FDA compliant features, such as the turnkey switch and interlock, and easy to operate; CW mode with optional TTL modulation up to 10kHz</p> <p>Laboratory Power supply (Y=L): 153(L) x 155(W) x 92 (H) mm³, 1.5kg; with complete FDA compliant features, such as the turnkey switch and interlock, and other functions; CW mode with the adjustable output power knob, the operating current LED display, and optional TTL/Analog modulations up to 10kHz</p>	
Optional Modulation	<p>None (Q=0)</p> <p>TTL: 1Hz -1kHz (Q=1), 1kHz -10kHz (Q=2)</p> <p>Analog: 1Hz -1kHz (Q=3), 1kHz -10kHz (Q=4)</p>	
Expected lifetime (hours)	10,000	
Warranty	10 months	

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



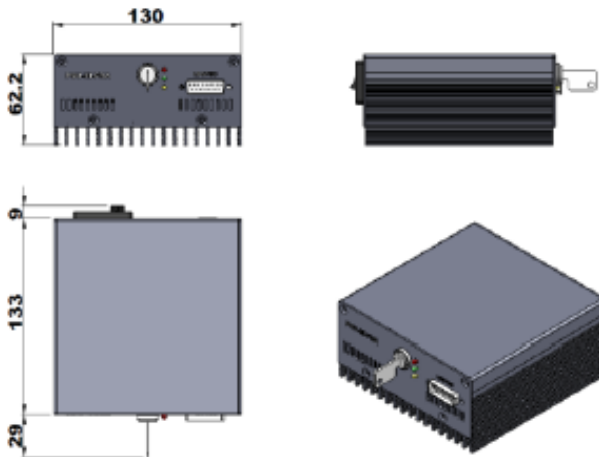
Mechanical Outline (unit: mm)

Laser Head

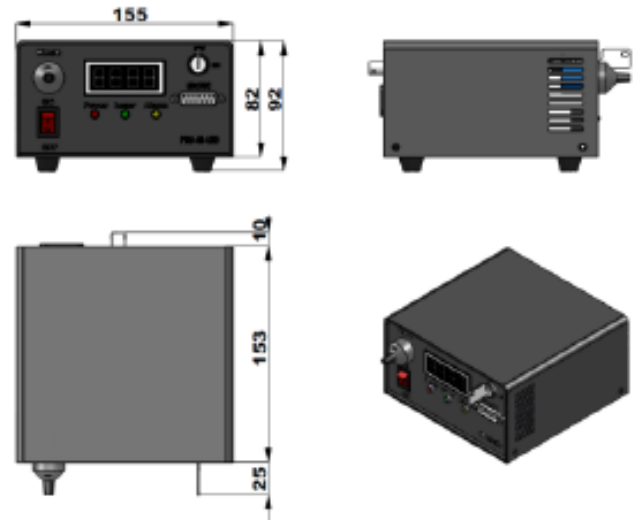


Power Supply

Elite Power Supply (Y=E):



Laboratory Power Supply (Y=L):



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