**Model No. DPFN-523-XFYPZQ
523.5nm DPSS LASER UP TO >100mW**

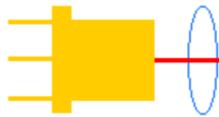
The DPFN-series 523.5nm LD pumped all-solid-state laser is constructed with features of high stability, low noise option, FDA compliance, ultra-compactness, long lifetime, low cost and easy operating. It is widely used in collimation, laser medical treatment, scientific experiment, optical instrument and many other applications. Its low noise function is commonly used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment and many other applications.

SPECIFICATIONS

Model No.	DPFN-523-XFYPZQ
Wavelength (nm)	523.5±1
Output power (mW)	>30 (X=30), >50 (X=50), >80 (X=80), >100 (X=100)
Transverse mode	Near TEM ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<5% (P=A), <3% (P=E), <2% (P=2)
Noise of amplitude (rms, 20Hz~20MHz)	<1% for Low Noise (Z=1), >1% (Z=2)
Dimensions of beam at aperture (1/e², mm)	~2.0
Beam divergence, full angle (mrad)	<1.5
M² factor	<1.5
Polarization ratio	>100:1, Horizontal ±5 degree
Warm-up time (minutes)	<10
Beam height from base plate (mm)	27.4
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Laser head	197(L)×70(W) ×50(H) mm ³ ; 1.36 kg
Power supply (90-240VAC)	High Power Elite Power Supply (Y=H): 236(L) ×145(W) ×104(H) mm ³ , 2.3kg 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 **Note: If with Low Noise Z=1, then only Y=H. High Power Laboratory Power Supply (Y=M): 277(L) ×145(W) ×106 (H) mm ³ , 2.6kg with complete FDA compliant features, such as the turnkey switch and interlock, and more functions; CW mode with the adjustable output power knob, the operating current LED display, and optional TTL/Analog modulations up to 10kHz
Optional Modulation	None (Q=0) TTL: 1Hz -1kHz (Q=1), 1kHz -10kHz (Q=2) Analog: 1Hz -1kHz (Q=3), 1kHz -10kHz (Q=4) **Note: Modulation option only available when Z=2.
Expected lifetime (hours)	10,000
Warranty	10 months
Remarks	The laser head needs to be used on a heat sink with good heat dissipation.

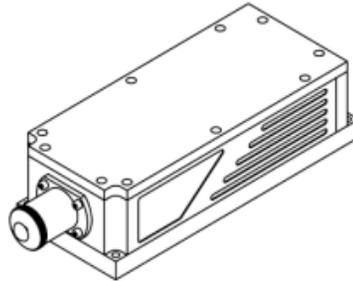
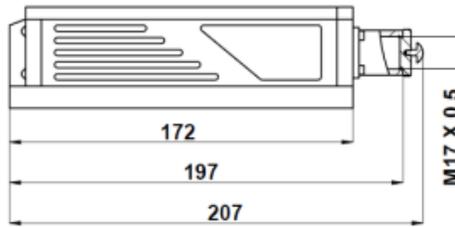
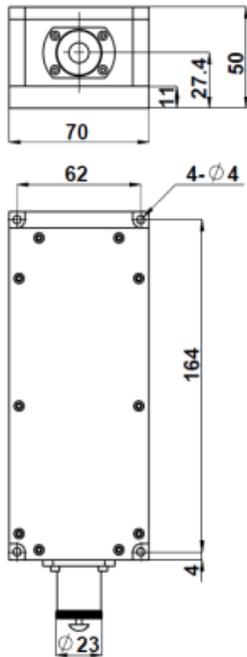
Note: The above specifications are subject to change without notice.





Mechanical Outline (unit: mm)

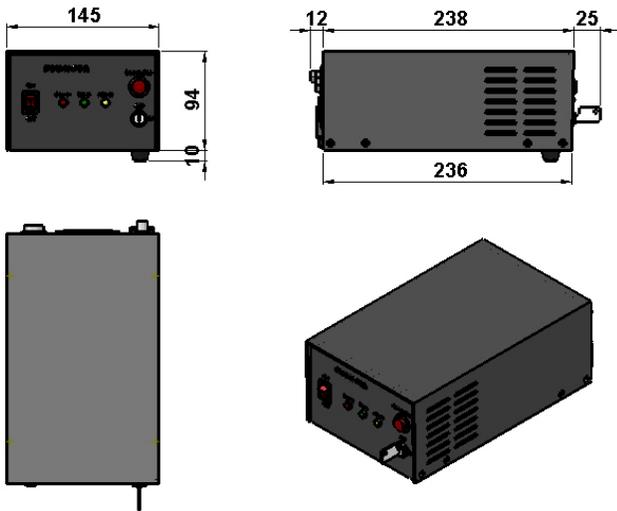
Laser Head



Power Supply

High Power Elite Power Supply (Y=H)

High Power Laboratory Power Supply (Y=M)



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

