

**Model No. DPF-577-XFYPZQ
577nm DPSS LASER UP TO >500mW**

The DPF-series 577nm LD pumped all-solid-state laser is constructed with features of high stability, low noise option, FDA compliance, good beam quality TEM₀₀, ultra-compactness, long lifetime, low cost and easy operating. It is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, and many other applications.

SPECIFICATIONS

Model No.	DPF-577-XFYPZQ
Wavelength (nm)	577±2
Output power (mW)	>30 (X=30), >50 (X=50), >100 (X=100), >200 (X=200), >500 (X=500)
Transverse mode	TEM ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<5% (P=A), <3% (P=E), <1% (P=D)
Noise of amplitude (rms, 1Hz-20MHz)	<1% for Low Noise (Z=1) for X=30, 50, 100, 200 ; >1% (Z=2)
Dimensions of beam at aperture (1/e², mm)	~2.5
Beam divergence, full angle (mrad)	<1.5
M² factor	<1.2 for Z=1 ; <1.5 for Z=2
Polarization ratio	>100:1 Horizontal ±5 degree
Warm-up time (minutes)	<10
Beam height from base plate (mm)	45
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Laser head	211(L)×88(W) ×74(H) mm ³ ; 1.6kg
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 1kHz 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 1kHz
Optional Modulation	None (Q=0) TTL: 1Hz -1kHz (Q=1) Analog: 1Hz -1kHz (Q=3)
Expected lifetime (hours)	10,000
Warranty	10 months
Remarks	The stability of output power is promised at the maximum output power only. The stability of output power may change when you adjust the output power.

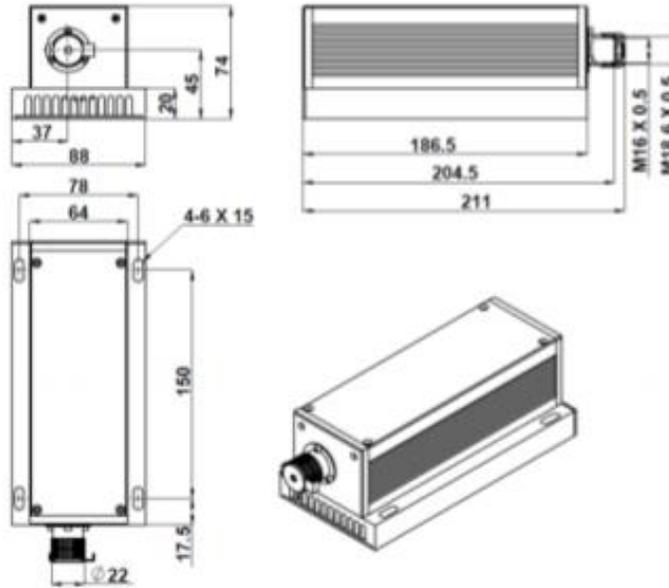
Note: The above specifications are subject to change without notice.





Mechanical Outline (unit: mm)

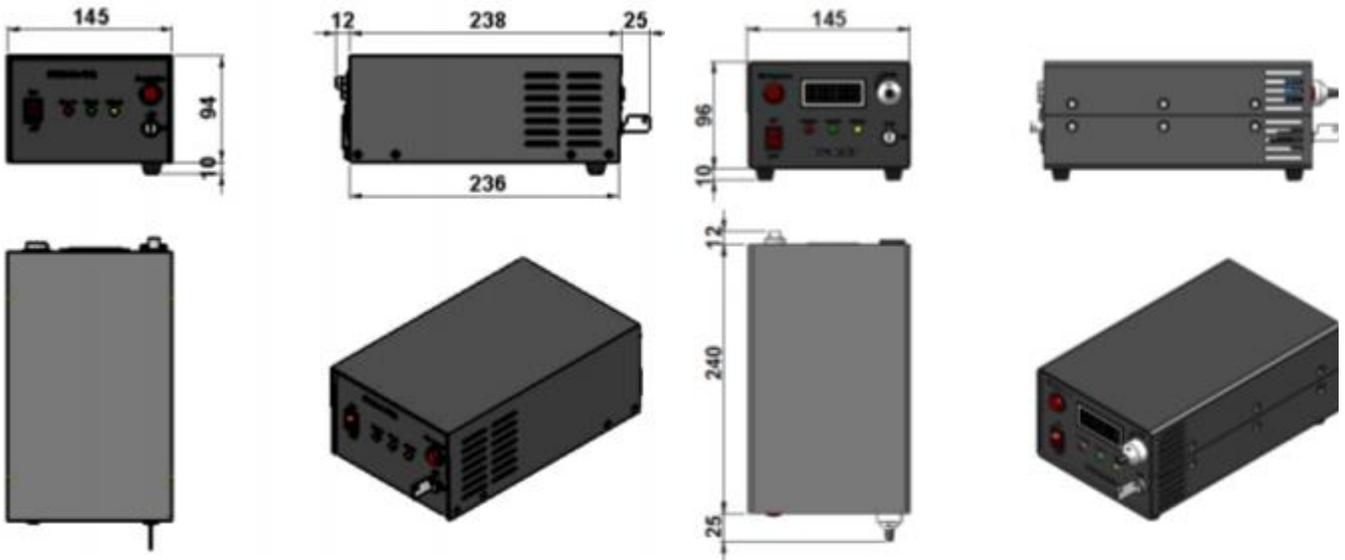
Laser Head



Power Supply

High Power Elite Power Supply (Y=H)

High Power Laboratory Power Supply (Y=M)



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