LASERMATE GROUP, INC.
The Friend of Lasers

Model No. DPF-355-XFYP
355nm CW DPSS LASER UP TO >10mW

The DPF-series 355nm diode pumped solid state laser is constructed with features of high stability, FDA compliance, ultra-compactness, long lifetime, easy operating and low cost. This laser consists of the laser head and AC power supply with complete FDA compliant features. It is widely used in DNA sequencing, flow cytometry, optical instrument, spectrum analysis, measurement, cell sorting, physics experiment, laser rapid modeling, and many other applications.

SPECIFICATIONS

Model No.	**DPF-355-XFYP**
Wavelength (nm)	355±1
Output power (mW)	>3 **(X=3),** >5 **(X=5),** >10 **(X=10)**
Transverse mode	Near TEM_{00}
Operating mode	CW
Power stability (rms, over 4 hours)	<10% **(P=B)**
Dimensions of beam at aperture (mm)	<2.0
Beam divergence, full angle (mrad)	<1.5
M^2 factor	<2.0
Polarization ratio	>50:1
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	45
Operating temperature (°C)	10~35
Spectral purity	>99%
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; complete FDA compliant features, such as the turnkey switch and interlock, and easy to operate; CW mode **High Power Laboratory Power Supply (Y=M):** 277(L) ×145(W) ×106 (H) mm^3, 2.6kg; complete FDA compliant features, such as the turnkey switch and interlock, and more functions; CW mode with the adjustable output power knob, and operating current LED display
Expected lifetime (hours)	5,000
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. For example, the stability of output power at the maximum output power is <10%, the stability may change to >10% when you adjust the output power down.

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

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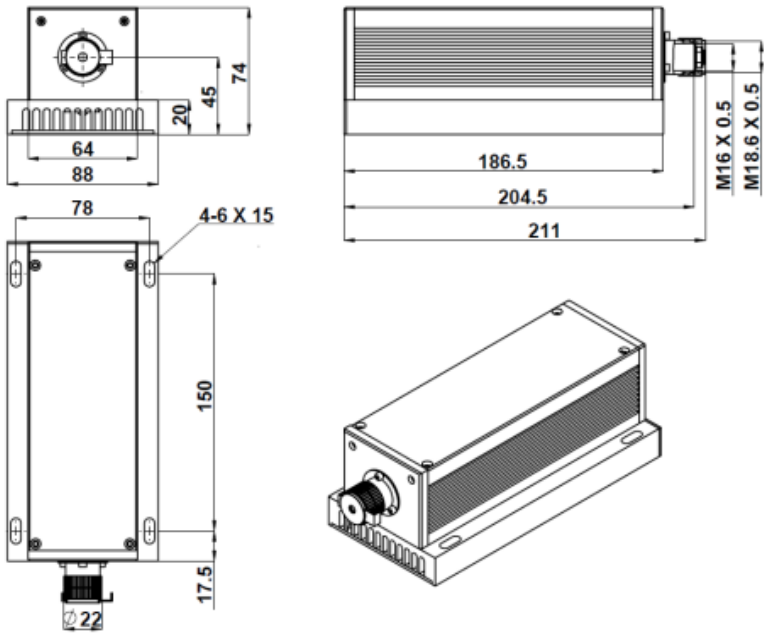
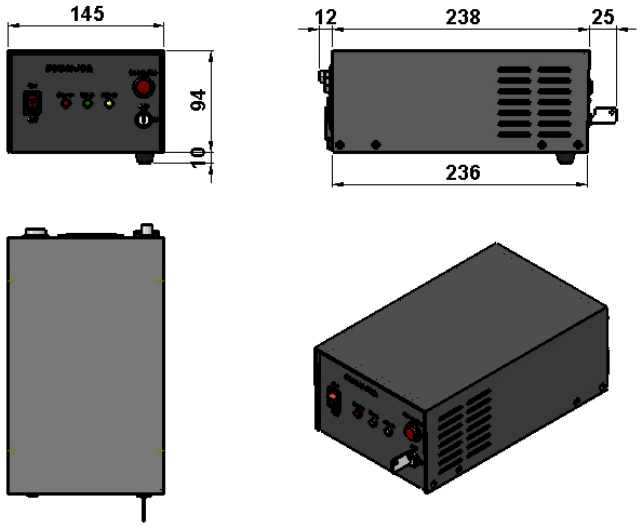
Mechanical Outline (unit: mm)

Laser Head

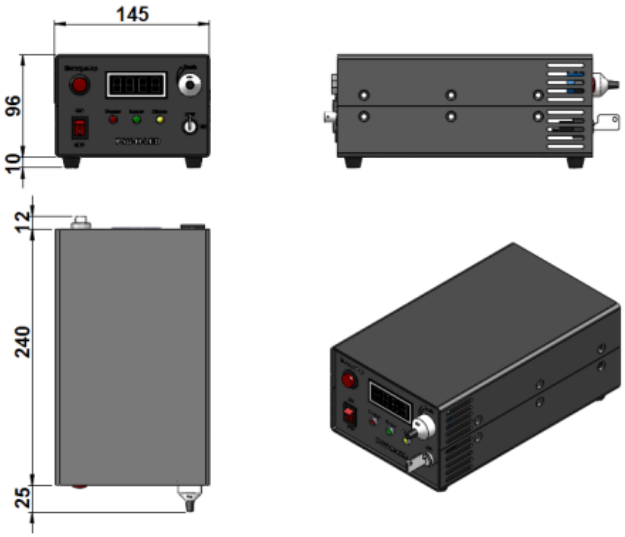


Power Supply

High Power Elite Power Supply (Y=H):



High Power Laboratory Power Supply (Y=M):



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