



**Model No. DPH-914-XFYPZ**  
**914nm DPSS LASER UP TO >800mW**

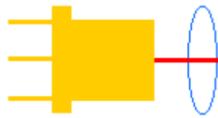
The DPH-series 914 nm LD pumped all-solid-state laser is constructed with features of high stability, low noise option, FDA compliance, ultra-compactness, long lifetime, cost effectiveness and easy operating. It is widely used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, and many other applications.

**SPECIFICATIONS**

<b>Model No.</b>	<b>DPH-914-XFYPZ</b>
<b>Wavelength (nm)</b>	914±1
<b>Output power (mW)</b>	>500 ( <b>X=500</b> ), >600 ( <b>X=600</b> ), >800 ( <b>X=800</b> )
<b>Transverse mode</b>	Near TEM <sub>00</sub>
<b>Operating mode</b>	CW
<b>Power stability (rms, over 4 hours)</b>	<5% ( <b>P=A</b> ), <3% ( <b>P=E</b> ), <2% ( <b>P=2</b> ), <1% ( <b>P=D</b> )
<b>Noise of amplitude (rms, 20Hz-20MHz)</b>	<1% for Low Noise ( <b>Z=1</b> ); >1% ( <b>Z=2</b> )
<b>Dimensions of beam at aperture (1/e<sup>2</sup>, mm)</b>	~3.0
<b>Beam divergence, full angle (mrad)</b>	<2.0
<b>M<sup>2</sup> factor</b>	<2.0
<b>Warm-up time (minutes)</b>	<10
<b>Beam height from base plate (mm)</b>	29
<b>Pointing stability after warm-up (mrad)</b>	<0.05
<b>Operating temperature (°C)</b>	10~35
<b>Laser head</b>	154.5(L) x 77(W) x 60(H) mm <sup>3</sup> , 0.9kg
<b>Power supply (90-240VAC)</b>	<b>High Power Elite Power Supply (Y=H):</b> 236 (L) ×145(W) ×104(H) mm <sup>3</sup> , 2.3kg with complete FDA compliant features, such as the turnkey switch and interlock, and easy to operate; CW mode  **Note: If with Low Noise <b>Z=1</b> , then only <b>Y=H</b> .  <b>High Power Laboratory Power Supply (Y=M):</b> 277(L) ×145(W) ×106 (H) mm <sup>3</sup> , 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, and operating current LED display
<b>Expected lifetime (hours)</b>	10,000
<b>Warranty</b>	10 months
<b>Remarks</b>	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.**



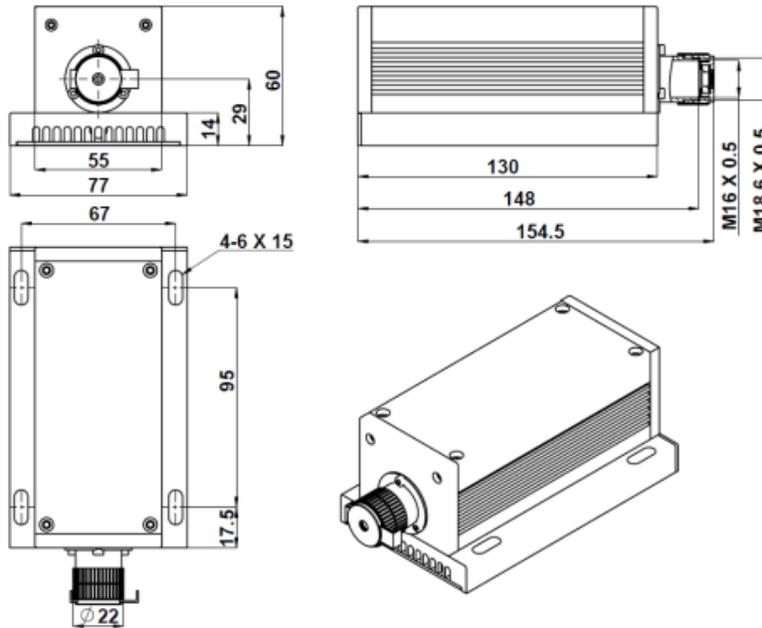


**LASERMATE GROUP, INC.**

**The Friend of Lasers**

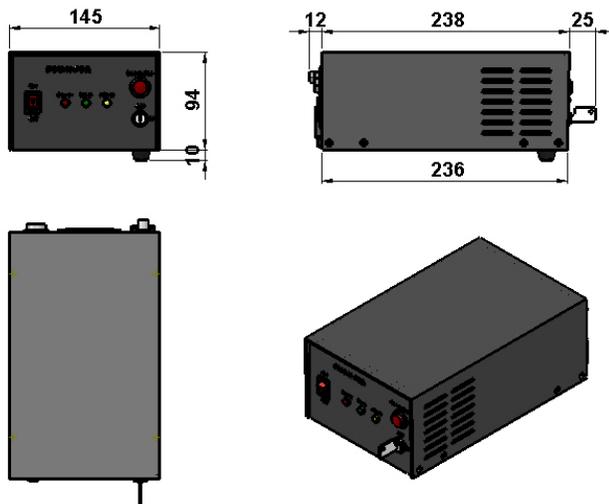
**Mechanical Outline (unit: mm)**

**Laser Head**



**Power Supply**

**High Power Elite Power Supply (Y=H)**



**High Power Laboratory Power Supply (Y=M)**



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