

**Model No. DPF-589-XFYP2Q  
589nm DPSS LASER UP TO >300mW**

The DPF-series 589nm LD pumped all-solid-state laser is constructed with features of high stability, FDA compliance, good beam quality TEM<sub>00</sub>, 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.

**SPECIFICATIONS**

<b>Model No.</b>	<b>DPF-589-XFYP2Q</b>	
<b>Wavelength (nm)</b>	589±1	
<b>Output power (mW)</b>	>100 (X=100), >200 (X=200)	>300 (X=300)
<b>Transverse mode</b>	TEM <sub>00</sub>	
<b>Operating mode</b>	CW	
<b>Power stability (rms, over 4 hours)</b>	<5% (P=A), <3% (P=E), <2% (P=2), <1% (P=D)	<5% (P=A), <3% (P=E)
<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>Polarization ratio</b>	>100:1	
<b>Warm-up time (minutes)</b>	<10	
<b>Beam height from base plate (mm)</b>	45	
<b>Pointing stability after warm-up (mrad)</b>	<0.05	
<b>Operating temperature (°C)</b>	10~35	
<b>Laser head</b>	211(L)×88(W) ×74(H) mm <sup>3</sup> ; 1.6kg	
<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 with optional TTL modulation up to 10kHz  <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, the operating current LED display, and optional TTL/Analog modulations up to 10kHz	
<b>Optional Modulation</b>	None (Q=0) TTL: 1Hz -1kHz (Q=1), 1kHz -10kHz (Q=2) Analog: 1Hz -1kHz (Q=3), 1kHz -10kHz (Q=4)	
<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.	

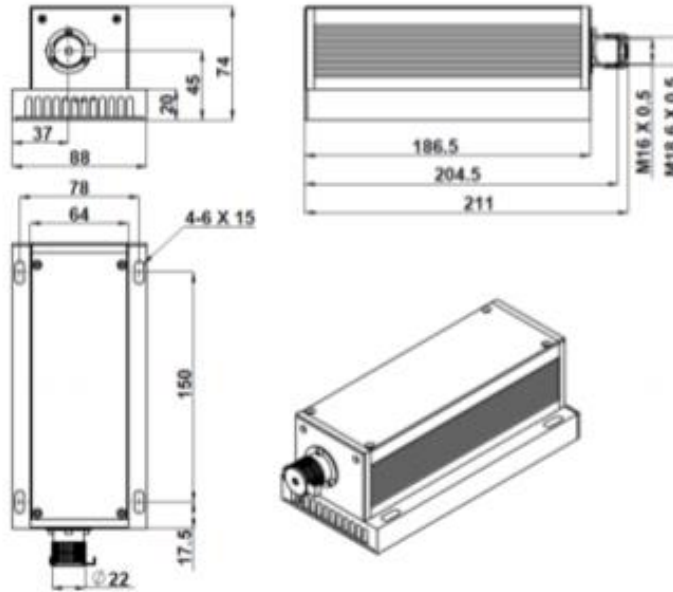
**Note: The above specifications are subject to change without notice.**





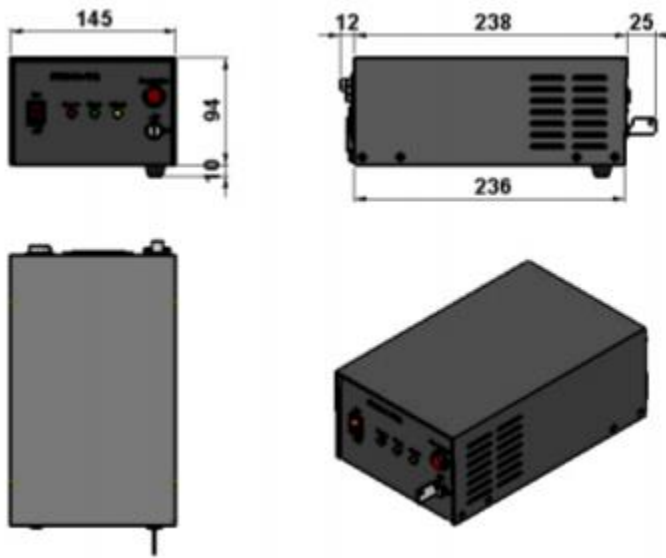
**Mechanical Outline (unit: mm)**

**Laser Head**



**Power Supply**

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



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



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