



LASERMATE GROUP, INC.

The Friend of Lasers

Model No. DPS-532-XFYPQ
GOOD SEALING 532nm DPSS GREEN LASER UP TO >200mW

The DPS-series 532nm diode pumped all solid-state green laser is constructed with features of good sealing water resistance, ultra-compactness, small size, high output power stability, wide operating temperature, good beam profile TEM₀₀, FDA compliance, long lifetime, cost-effectiveness and easy operating, working under the pressure of 0.02kPa. It is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show and many other applications.

SPECIFICATIONS

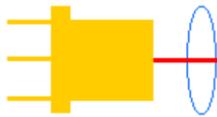
Model No.	DPS-532-XFYPQ
Wavelength (nm)	532±1
Output power (mW)	>100 (X=100), >200 (X=200)
Transverse mode	TEM ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<3% (P=E), <2% (P=2), <1% (P=D)
Dimensions of beam at aperture (1/e², mm)	0.7±0.05
Beam divergence, full angle (mrad)	<1.5
M² factor	<1.2
Polarization ratio	>100:1, Horizontal ±5 degree
Warm-up time (minutes)	<5
Pointing stability after warm-up (mrad)	<0.05
Pointing stability over temp (μrad/°C)	<8
Beam height from base plate (mm)	19
IP rating	IP67 (Protected from total dust ingress and water immersion between 15cm and 1m in depth)
Power consumption (W)	<30
Shock tolerance (6ms)	7g laterally, 15g vertically
Operating temperature (°C)	0-60
Laser head	100(L)×40(W) ×40(H) mm ³ , 0.36 kg
Max heat dissipation of head (W)	10W@50°C
Power supply (90-240VAC)	High Power Elite Power Supply (Y=H): 275(L) ×145(W) ×104(H) mm ³ , 2.3 kg; complete FDA compliant features, such as the turnkey switch and interlock, and easy to operate; CW mode with optional TTL or Analog modulation up to 10kHz
Modulation option	None (Q=0) TTL: 1Hz -1kHz (Q=1), 1kHz -10kHz (Q=2) Analog: 1Hz -1kHz (Q=3), 1kHz -10kHz (Q=4)
Expected lifetime (hours)	10,000
Warranty	10 months

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



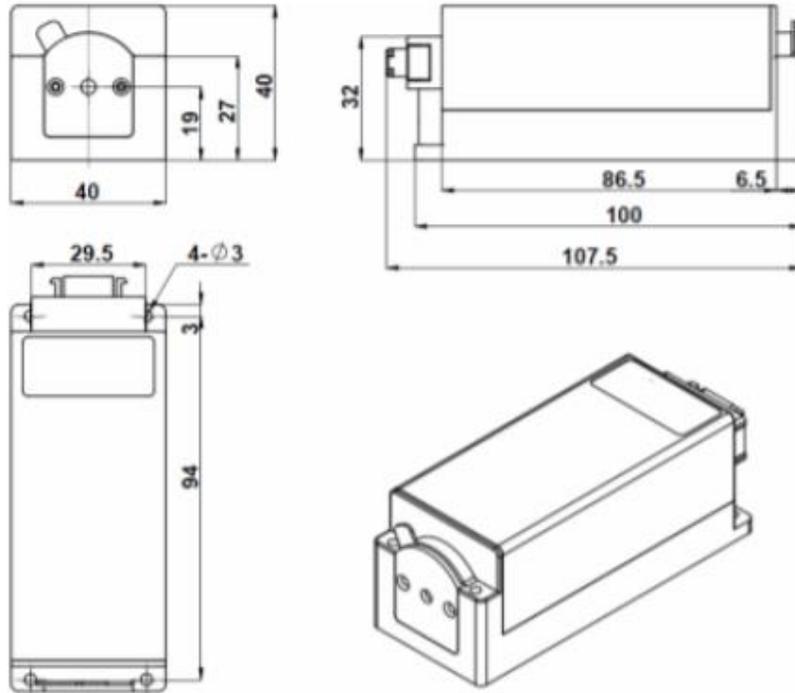
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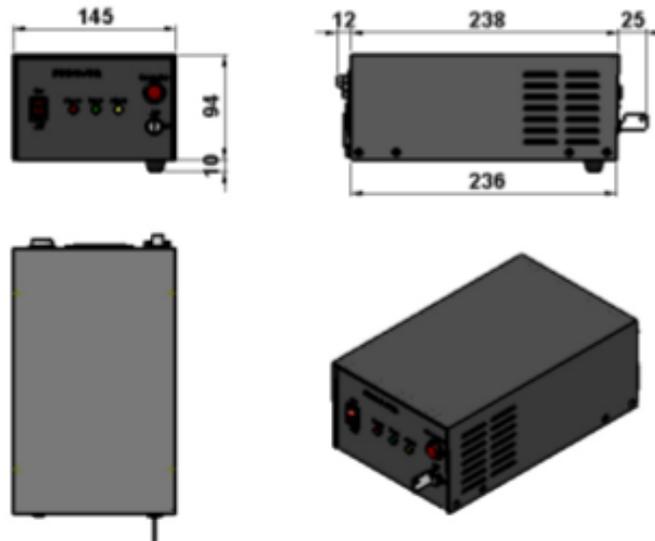
MECHANICAL OUTLINE (unit: mm)

Laser Head



Power Supply

High Power Elite Power Supply (Y=H):



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