DPSS 561nm Low Noise Laser

Specifications

Model Number	***Y561D100-200X70X50-1.5***
Optical Specifications	
Wavelength	561±1nm
Output Power at 25℃	50mW，100mW
Spectral Bandwidth	/
Transverse Mode	TEM00
Operation Mode	CW
Power Stability over 8 hours after Warm-up	<2%
Noise of Amplitude (RMS, 1~20MHz)	<1% (≤0.25% optional)
M2 factor	<1.2
Beam Diameter at the Aperture	~ 2mm
Beam Divergence (1/e2, Full Angle)b	<1.5mrad
Polarization Ratio	>100:1
Warm-up Time	<15minutes
Operating Temperature	10℃~35℃
Mechanical Specifications	
Dimension of Laser Head	200(L) x 70 (W) x50 (H) mm
Dimension of Power Supply	240 (L)x145 (W) x103H)mm
Dimensional Tolerances	+/- 1 mm
Input Voltage	90-265VAC 50/60Hz
Modulation	TTL Modulation >5KHz
Expect Life Time	10000hours

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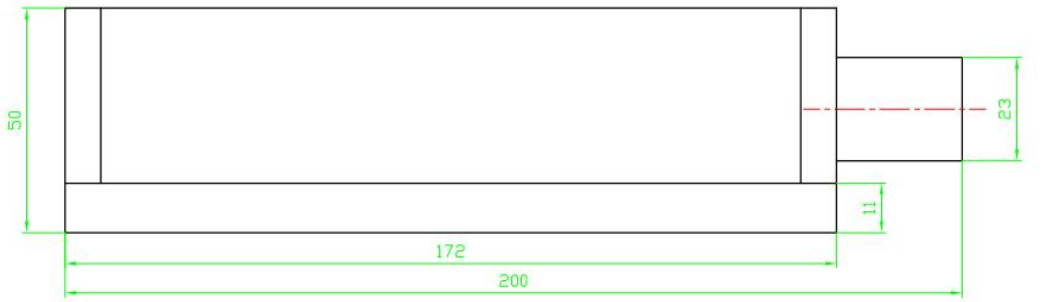
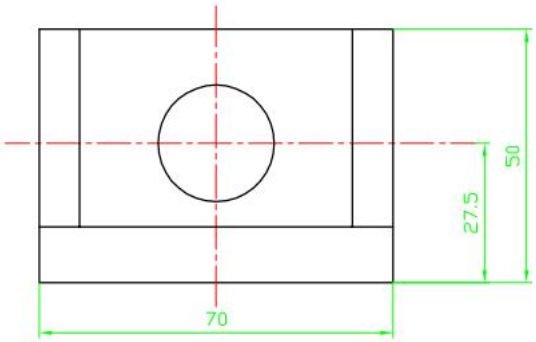
Photos

Laser and Power Supply





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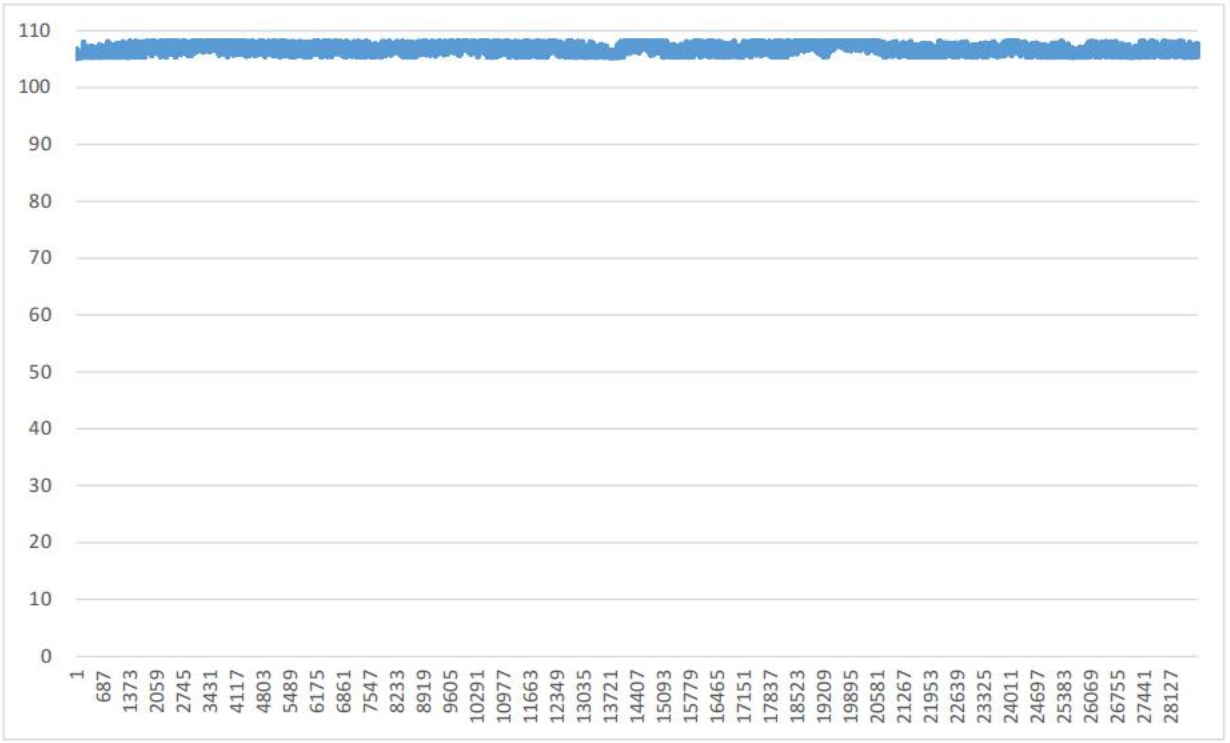
Test Example for power stability:

Sampling(pcs):	28801	Total power(mW):	3077306.129	Test frequency:	1Hz
Max Power(mW):	108.09	Average Power(mW):	106.8471973		
Min Power(mW):	105.36	Power Stability:	1.28%		



Explanation:

Test frequency:sample once per second.

Y axis:laser output power.

X axis:test time,unit is second.

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