

Double-Wavelength Diode-pumped Solid State Laser

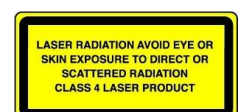
Features:

1. Double wavelength 532nm and 1064nm
2. Single frequency at both wavelengths
3. Scannable frequency through PZT
4. Frequency lockable on Iodine line

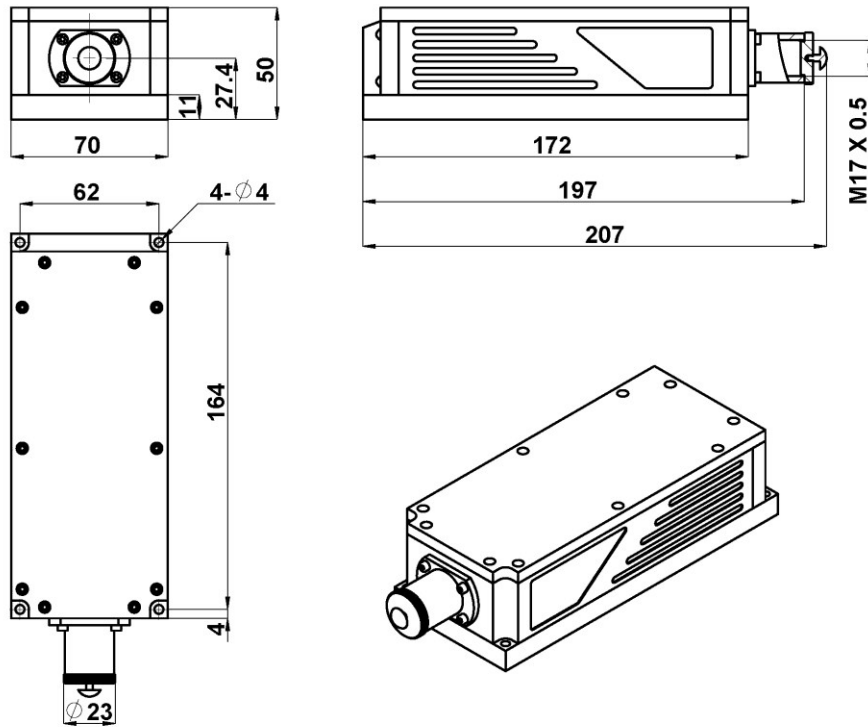


Specifications	Unit	MSL-FN-532&1064
Wavelength	nm	532 + 1064
Operating Mode	-	continuous wave
Output Power at each wavelength	mW	≥10
Power Stability (RMS, 4 hours)	-	<2%
Amplitude Noise (RMS, 1Hz-20MHz)	-	<1%
Transverse Mode	-	TEM ₀₀
Beam M ² factor	-	<1.2
Spectral Linewidth (FWHM)	nm	<0.00001
Coherence Length	m	≥50
Beam Diameter (at exit, 1/e ²)	mm	~2.0
Beam Divergence (full angle)	mrad	<1.5
Beam Height (from baseplate)	mm	27.4
Polarisation Ratio	-	>100:1
Beam Pointing Stability	mrad	<0.05
Operating Ambient Temperature	°C	15 - 35
Laser Head Dimension	mm	197(L) × 70(W) × 50(H)
Power Supply (90-264VAC)	mm	276(L) × 145(W) × 104(H)
Optical Fiber Output (optional)	-	-
Lifetime (MTTF, pumping diode)	h	10 000
Warranty	-	1 Year

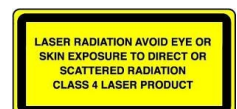
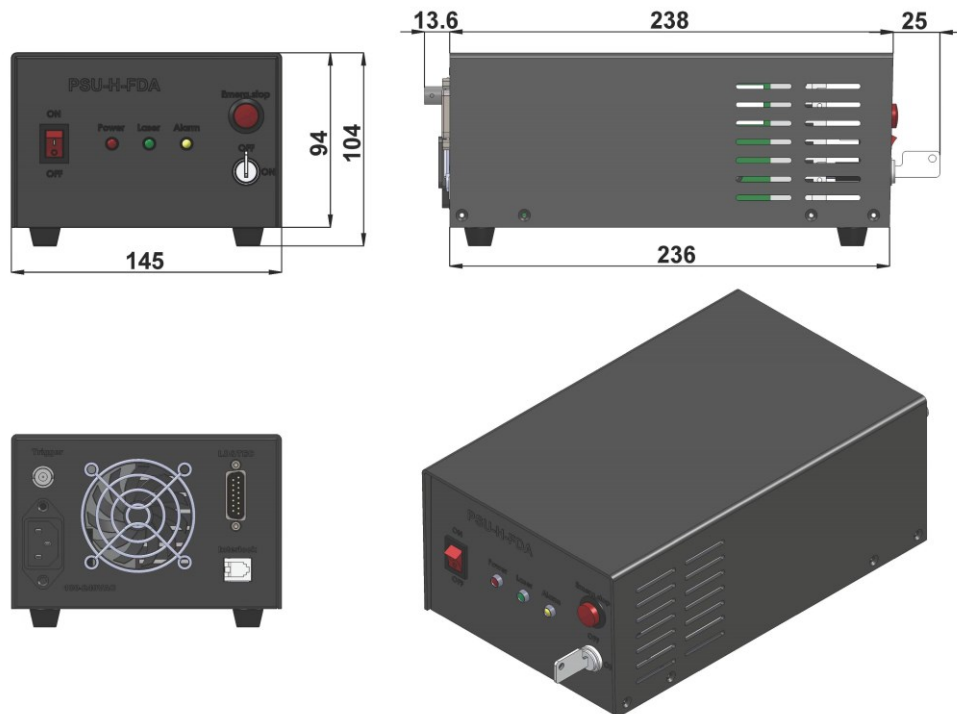
- Notes:**
1. Reduced lifetime if improperly used or used above operating conditions.
 2. A non-condensing environment is required for storage and operation.
 3. Product specifications are subject to change without notice.



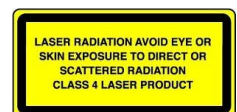
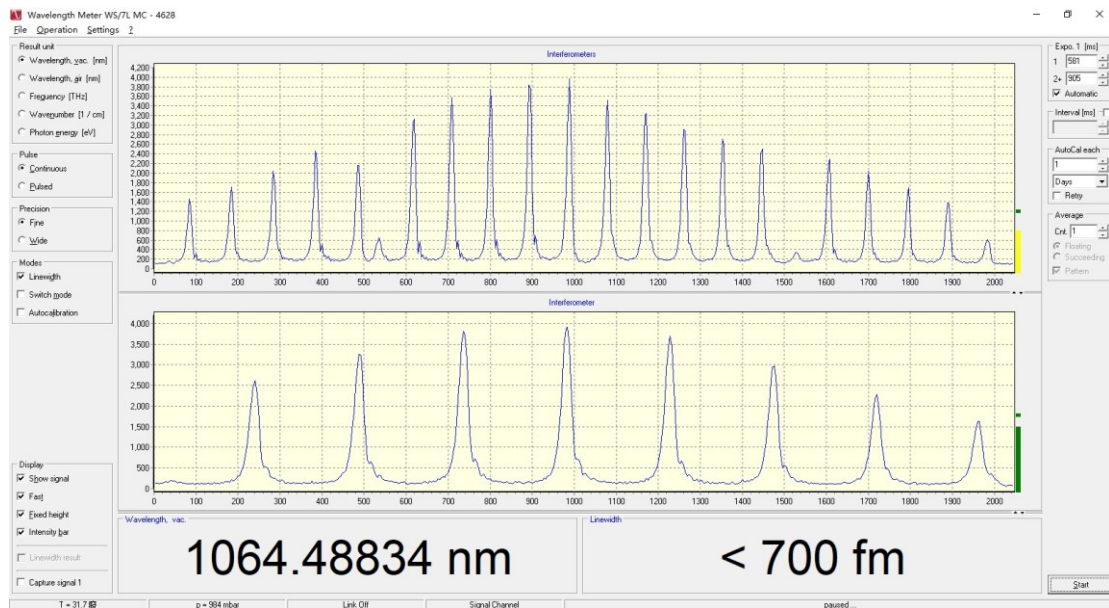
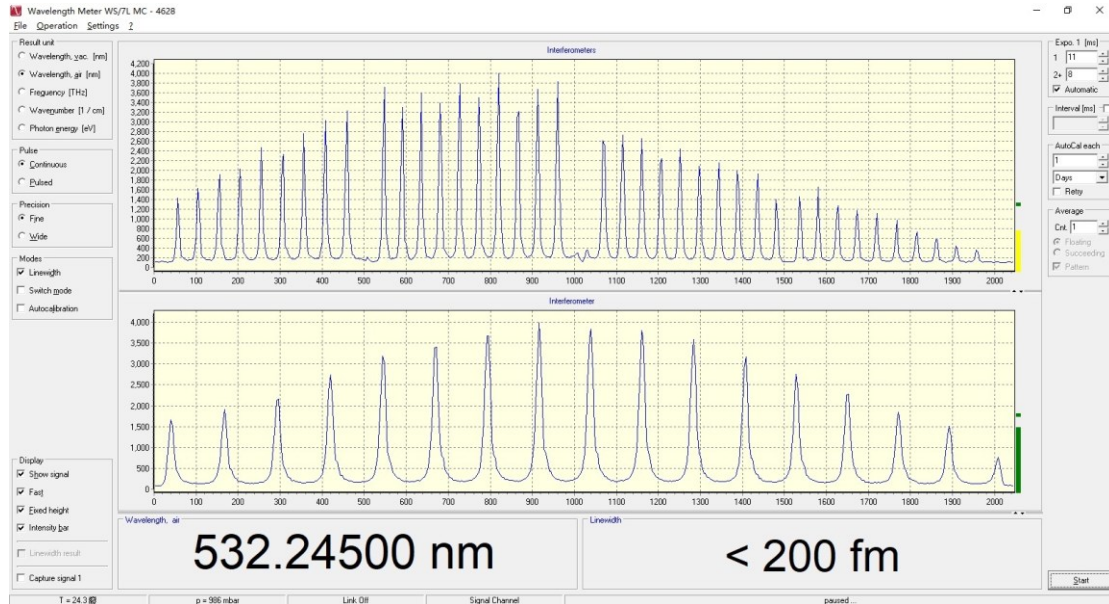
Laser head dimension



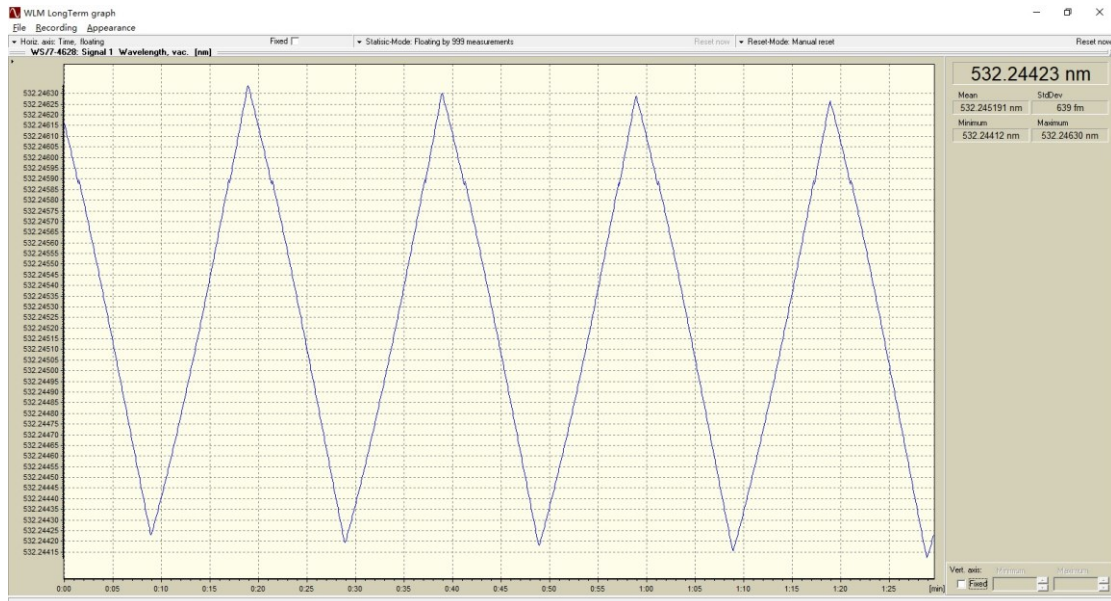
Power supply dimension



Wavelength on Iodine line



Wavelength scannig with PZT



Coherence length (interference pattern) 50m

