



MSL-R-457

SINGLE LONGITUDINAL MODE LASER

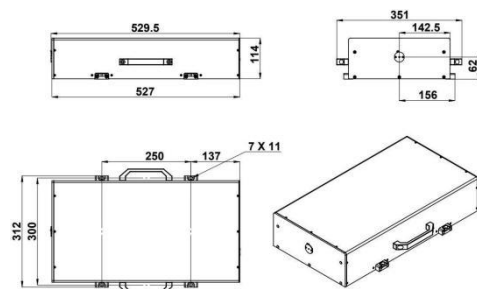
All solid state single longitudinal mode laser is made features of ultra compact, easy operating, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.



SPECIFICATIONS

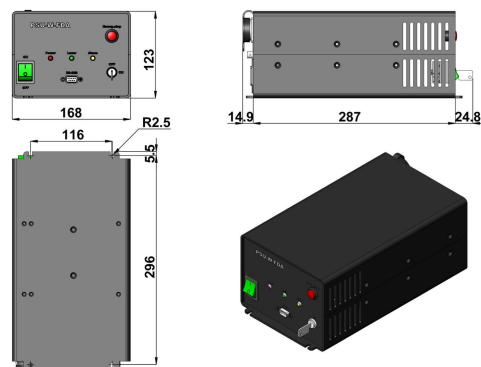
Wavelength (nm)	457±1
Output power (mW)	350mW-3.5W
Power stability (rms, over 4 hours)	<1%
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Operating mode	CW
Noise of amplitude (rms, 20Hz~20MHz)	<1%
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	<1.5
Beam divergence, full angle (mrad)	<0.5
Polarization Ratio	>100:1, Horizontal (Vertical Optional)
Spectral line width (nm)	≤100kHz
Pointing Stability(μrad) (over 2 hours after warm-up and ±3°C)	<50
Pointing Stability Over Temperature(μrad/°C)	<8
Beam height from base plate (mm)	62
Coherent length (m)	>800
Warm-up time (minutes)	<15
Cooled method (Water cooled)	WCH-580
Operating Temperature (°C)	20-30
Power supply (100-240VAC)	PSU-W-FDA
Expected lifetime (hours)	>10000

LASER HEAD(MSL-R-457)



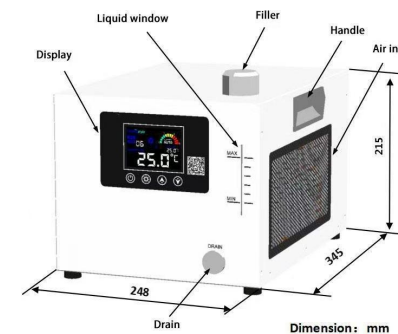
529.5(L) × 312(W) × 114(H) mm³, 29.35 kg

POWER SUPPLY



326.7 (L) × 168(W) × 123(H) mm³, 4.0 kg

Water Chiller(WCH-580)



345 (L) × 248 (W) × 215(H) mm³, 10.5 kg