



MBL-U-xxx-SF series

DPSS LASER

All solid-state CW 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)	425±3	430±2	434±1	484±1	488±1	491±1	496±1
Operating mode	CW						
Output power (mW)	1-10	1-100	1-100	1-20	1-300	2-400	1-100
Power stability (rms, over 4 hours)	<5%, <3%						
Transverse mode	Near TEM ₀₀						
Beam diameter at the aperture (1/e ² , mm)	<1.0						
Beam divergence (mrad)	<3	<2		<3			
Polarization Ratio	>100:1			/	>100:1		
Cooled method	Fan Cooled/ Water Cooled						
Warm-up time (minutes)	<10						
Beam height from base plate (mm)	91@Fan Cooled/ 55@Water Cooled						
Operating Temperature (°C)	15-30						
Power supply (90-264VAC)	PSU-W-FDA						
Expected lifetime (hours)	10000						
Warranty	1 year						

Note: The laser head needs to be used on a heat sink with good heat dissipation.



LASER HEAD (Fan Cooled)	LASER HEAD (Water Cooled)	POWER SUPPLY (PSU-W-FDA)
<p>256(L)×156(W)×121(H) mm³</p>	<p>239.5(L)×165(W)×85(H) mm³</p>	<p>307 (L) ×168(W) ×123(H) mm³, 4.5kg</p>