

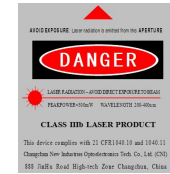


**MBL-S-xxx-SM Series**



**SM FIBER OUTPUT LASER**

CNI has a long experience in the delivery of fiber coupled laser light sources providing high efficiency and long term stability. All laser types can be offered with appropriate fiber coupling systems. This type is specifically designed for single-mode fiber(include PM) coupling with high power stability and long term stability.

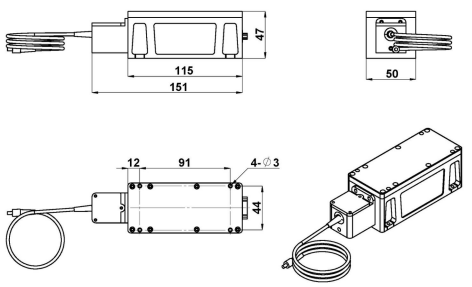
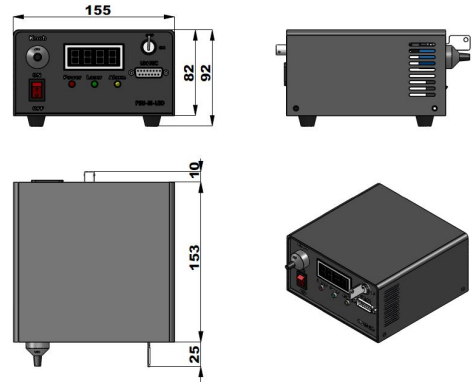
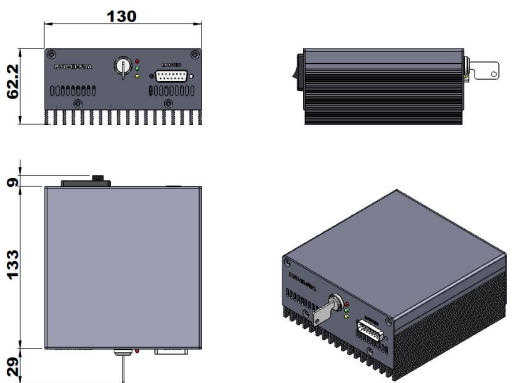
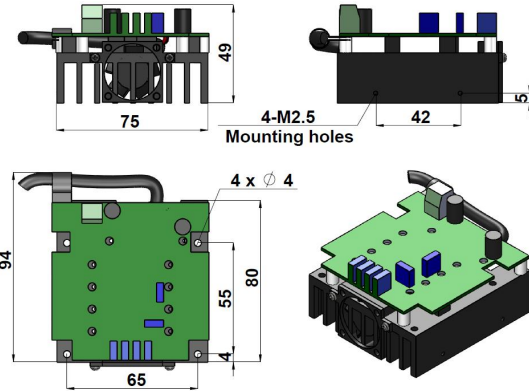


**SPECIFICATIONS**

Part number	MBL-S-473-SM
Wavelength (nm)	473±1
Operating mode	CW
Output power (mW)	1-50
Power stability (rms, over 4 hours)	<5%, <3%, <2%
Transverse mode	TEM <sub>00</sub> (single mode fiber output)
M <sup>2</sup> factor	<1.2
Fiber numerical aperture	0.10~0.12
Fiber type	SM fiber (PM fiber optional)
Fiber connector	FC/APC
Fiber jacket	PVC (black)
Polarization ratio	No polarization (>50:1 after PM fiber )
Warm-up time (minutes)	<10
Operating temperature (°C)	10~35
Power supply (90-264VAC or 5VDC)	PSU-III-LED/ PSU-III-FDA/ PSU-III-OEM-97
Modulation optional	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional
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	POWER SUPPLY (PSU-III-LED)
 <p data-bbox="504 766 795 798">151 (L) × 50 (W) × 47 (H) mm<sup>3</sup>, 0.7kg</p>	 <p data-bbox="1444 766 1736 798">188(L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>
POWER SUPPLY (PSU-III-FDA)	POWER SUPPLY (PSU-III-OEM-97)
 <p data-bbox="504 1316 795 1348">171 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	 <p data-bbox="1444 1316 1736 1348">94(L) × 75(W) × 49(H) mm<sup>3</sup>, 0.23kg</p>