



MBL-W-473-SM

SM FIBER OUTPUT LASER

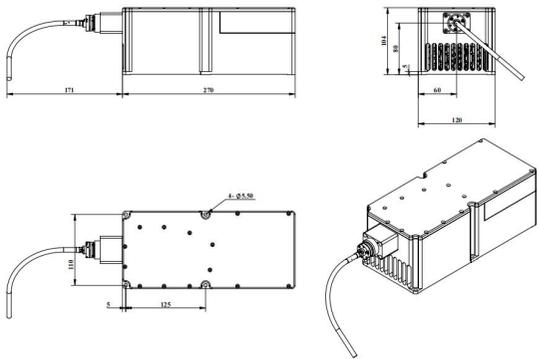
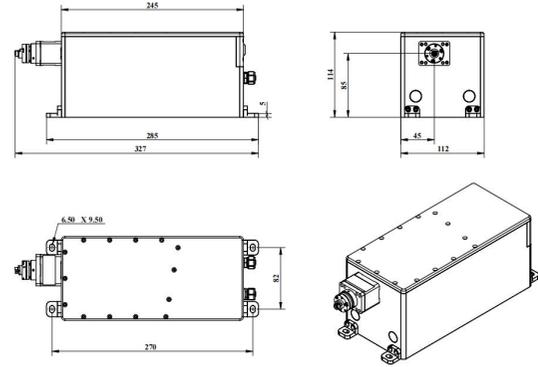
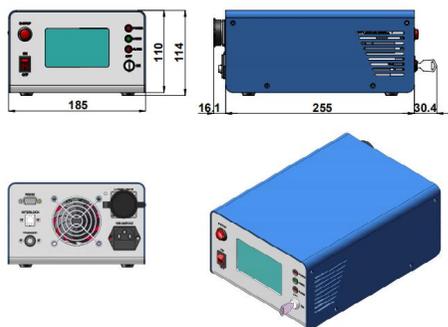
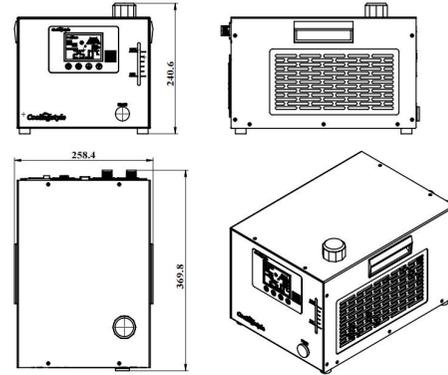
CNI has a long experience in the delivery of fiber coupled laser light sources providing high efficiency and long term stability. All laser types can be offered with appropriate fiber coupling systems. This type is specifically designed for single-mode fiber(include PM) coupling with high power stability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



SPECIFICATIONS

Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW) ¹	50-1000	
Power Stability (rms, 4 hours ± 3°C)	<5%, (<3% optional)	<5%, <3%, (<2% optional)
Transverse mode	TEM ₀₀ (single mode fiber output)	
M ²	<1.1	
Polarization (optional)	>50:1 after PM fiber	
Fiber type	SM fiber (PM fiber optional)	
Fiber core diameter	3.5um,0.10NA	
Fiber connector	FC/APC	
Fiber length ²	1m	
Fiber Jacket	PVC, Metal optional	
Warm-up time (minutes)	<10	
Cooled method	Air cooled	Water cooled
Operating temperature (°C)	10-30	
Power supply (100-240VAC)	PSU-W-LED	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	



LASER HEAD (MBL-W-473A-SM) ³	LASER HEAD (MBL-W-473-Water-SM)
 <p data-bbox="526 710 772 734">441 (L) × 120 (W) × 104 (H) mm³</p>	 <p data-bbox="1444 710 1691 734">327 (L) × 112 (W) × 144 (H) mm³</p>
POWER SUPPLY	WATER CHILLER (WCH-580)
 <p data-bbox="492 1236 806 1260">301.5 (L) × 185 (W) × 114 (H) mm³, 3.0 kg</p>	 <p data-bbox="1400 1236 1758 1260">369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg</p>

1 Any power level can be selected in this range.

2 Other lengths are available on request.

3 Noise of amplitude(rms,20Hz-20MHz) of MBL-W-473A-SM: <1% (optional)