



MGL-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.

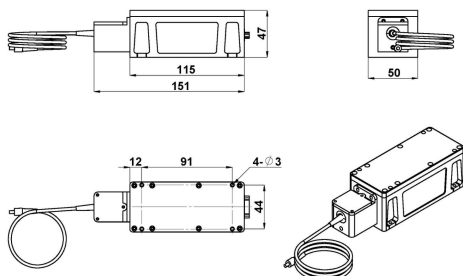


SPECIFICATIONS

Part number		MGL-S-532-SM	MGL-S-588-SM	MGL-S-589-SM
Wavelength (nm)		532±1	588±1	589±1
Operating mode		CW		
Output power (mW)		1-150	1-20	1-20
Power stability (rms, over 4 hours)		<5%, <3%, <2%, <1%	<3%, <2%, <1%	<3%, <2%, <1%
Transverse mode		TEM ₀₀ (single mode fiber output)		
M ² factor		<1.1		
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	PSU-III-LED/ PSU-III-FDA		
	DC 5V	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		

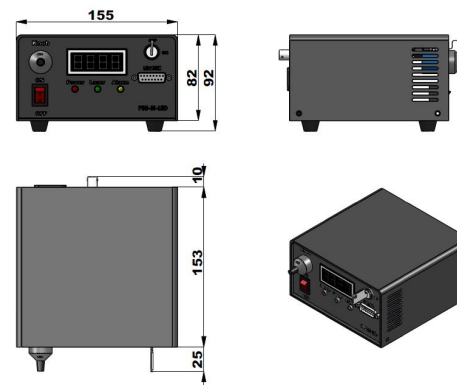


LASER HEAD



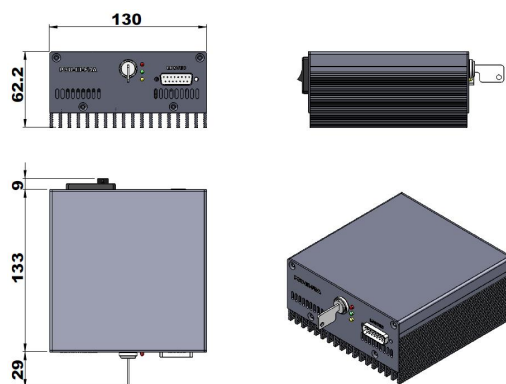
151 (L) × 50 (W) × 47 (H) mm³, 0.7kg

POWER SUPPLY (PSU-III-LED)



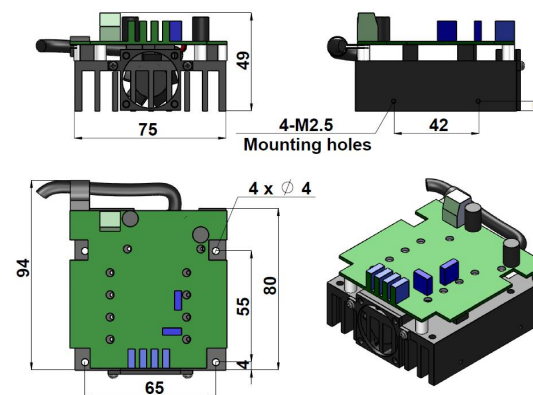
188(L) × 155(W) × 92 (H) mm³, 1.5kg

POWER SUPPLY (PSU-III-FDA)



171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg

POWER SUPPLY (PSU-III-OEM-97)



94(L) × 75(W) × 49(H) mm³, 0.23kg