MDL-III-780DFB-SM/1-30mW



INFRARED DIODE LASER AT 780nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc.

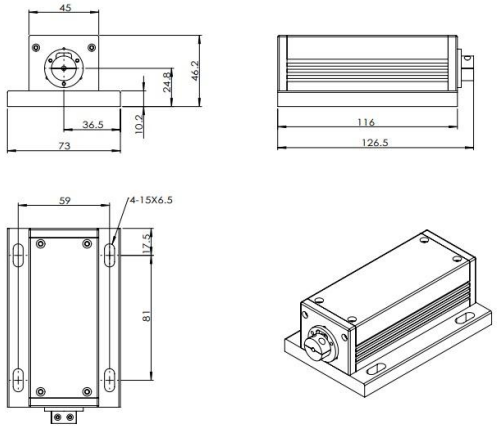




SPECIFICATIONS

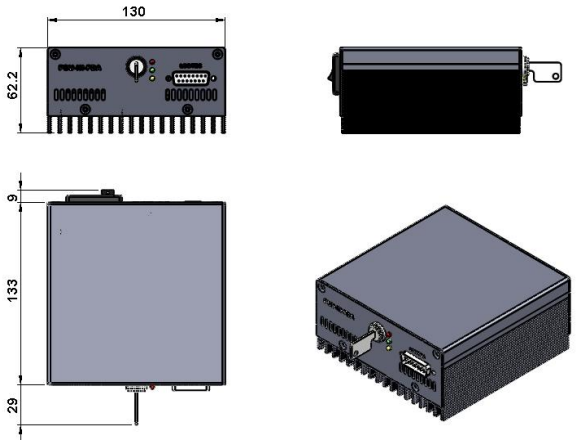
Central wavelength (nm)	780±3	
Operating mode	CW	
Output power after fiber (mW)[1]	1-5	5-30
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%	
Fiber type	SM fiber, PM fiber optional	
Fiber Core diameter	4-9μm, 0.12NA	
Fiber connector	FC/PC, FC/APC optional	
Fiber length[2]	1m	
Fiber jacket	Metal, PVC optional	
Transverse mode	TEM_{00}	
Ellipticity	>0.95	
M^2 after fiber	~1.1	
Warm-up time (minutes)	<5	
Cooled method	Conduction	
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-III-FDA/PSU-III-LED/PSU-A-D/PSU-III-OEM	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	

LASER HEAD



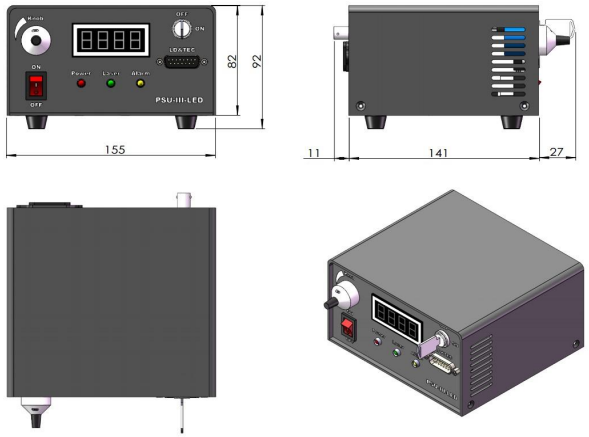
126.5 (L) ×73 (W) ×46. 2 (H) mm³, 0.7kg

POWER SUPPLY (PSU-III-FDA)[3]



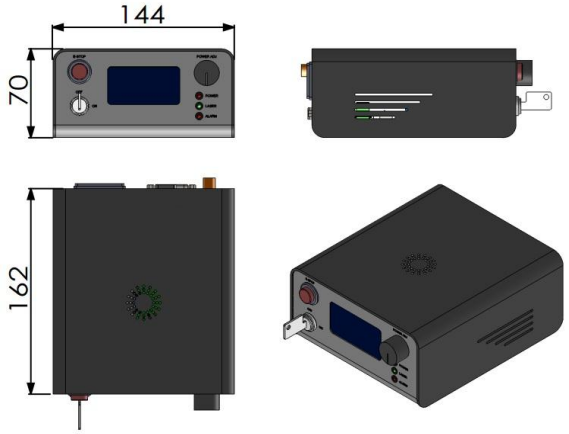
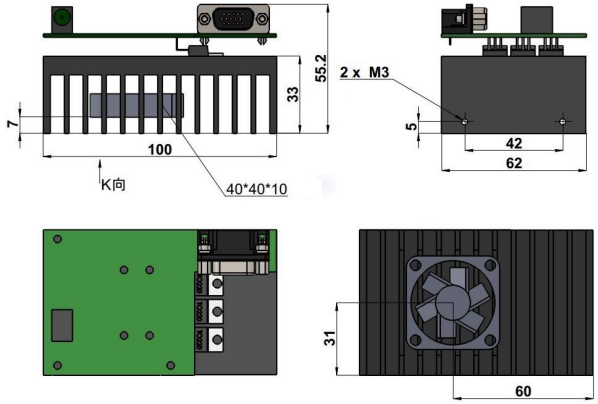
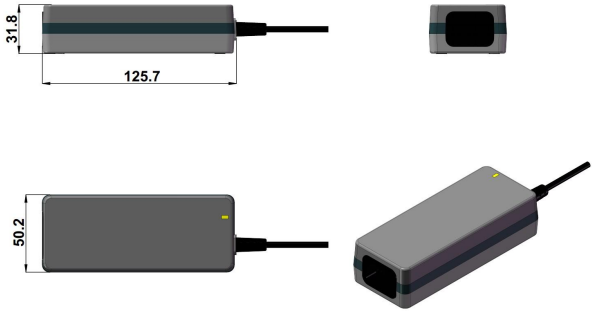
171 (L) ×130 (W) ×62.2 (H) mm³, 1.2kg

POWER SUPPLY (PSU-III-LED)[4]



179 (L) ×155 (W) ×92 (H) mm³, 1.5kg

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POWER SUPPLY (PSU-A-D)[5]	DRIVER (PSU-III-OEM)[3]	POWER SUPPLY (100-240VAC) optional
		
162 (L) ×144 (W) ×70 (H) mm³, 1.0kg	**100 (L) ×62 (W) ×55.2 (H) mm³, 0.5kg**	**125.7 (L) ×50.2 (W) ×31.8 (H) mm³, 0.3kg**

1 Any power level can be selected in this range.

2 Other lengths are available on request.

3 Fixed output power; Modulation up to 30kHz.

4 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.

5 Output power adjustable 10-100%; RS232 control optional; Modulation up to 100kHz.