TEM-FN-637/1-180mW

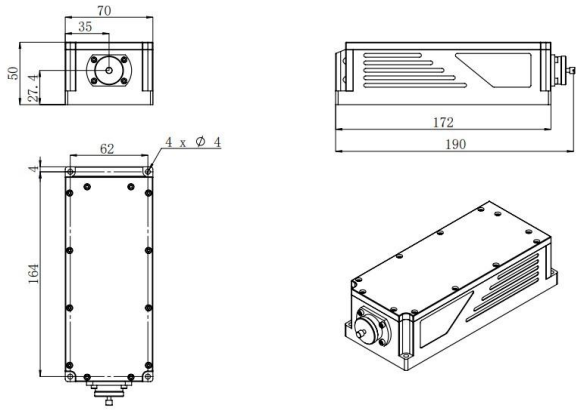
RED DIODE LASER AT 637nm

It features TEM_{00} mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication,spectrum analysis,etc

SPECIFICATIONS

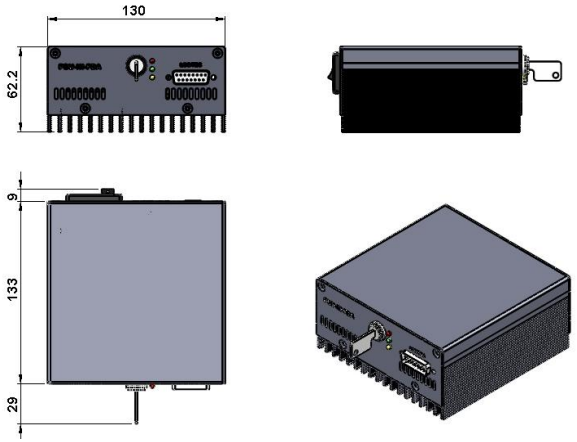
Central wavelength (nm)	637±5
Operating mode	CW
Output power (mW)[1]	1-180
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%
Transverse mode	TEM_{00}
Ellipticity	>0.95
M^2	<1.1
Beam diameter at the aperture ($1/e^2$, mm)	~1.0
Beam divergence, full angle (mrad)	<1.5
Warm-up time (minutes)	<5
Beam height from base plate (mm)	27.4
Operating temperature (°C)	25±3
Power supply (100-240VAC)	PSU-III-FDA/PSU-III-LED
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000

LASER HEAD[2]



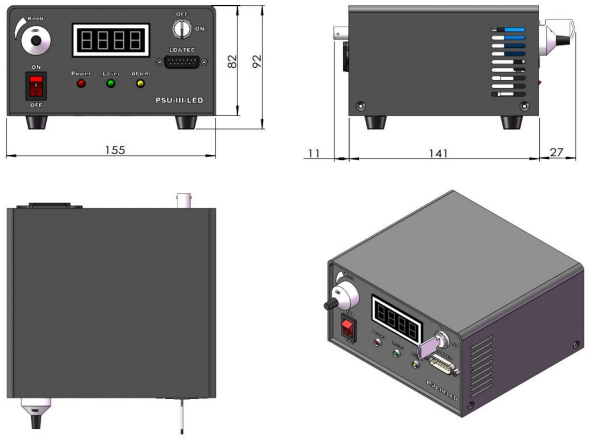
190 (L) ×70 (W) ×50 (H) mm³, 0.9kg

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

1 Any power level can be selected in this range.

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

3 Fixed output power; Modulation up to 30kHz.

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

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