

MDL-F-980/5-8W

SPECIFICATIONS

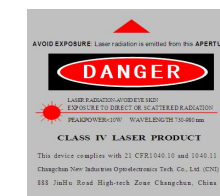


INFRARED DIODE LASER  
AT 980nm

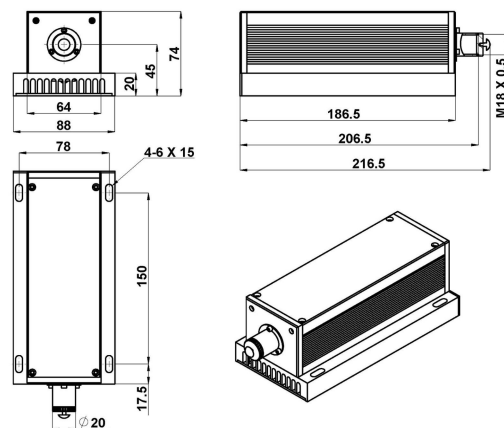
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, communication, spectrum analysis, etc.



|                                      |                                                                    |
|--------------------------------------|--------------------------------------------------------------------|
| Central wavelength (nm)              | 980±10                                                             |
| Operating mode                       | CW                                                                 |
| Output power (W) <sup>1</sup>        | 5-8                                                                |
| Power stability (rms, 4 hours ± 3°C) | <2%, <1%, <0.5%                                                    |
| Transverse mode                      | Multimode                                                          |
| Beam diameter at the aperture (mm)   | ~5×8                                                               |
| Beam divergence, full angle (mrad)   | <3.0                                                               |
| Warm-up time (minutes)               | <5                                                                 |
| Cooled method                        | Air cooled                                                         |
| Beam height from base plate (mm)     | 45                                                                 |
| Operating temperature (°C)           | 10-35                                                              |
| Power supply (100-240VAC)            | PSU-H-FDA/PSU-H-LED                                                |
| Modulation option                    | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional |
| Expected lifetime (hours)            | >10000                                                             |

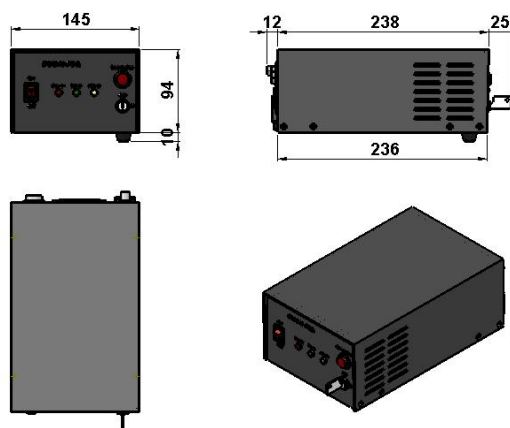


LASER HEAD



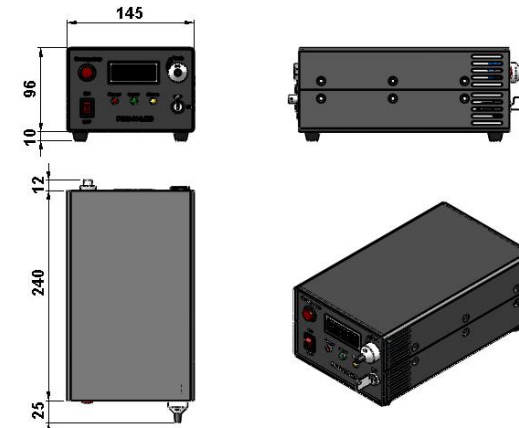
216.5 (L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.4kg

POWER SUPPLY (PSU-H-FDA)<sup>2</sup>



275 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.1kg

POWER SUPPLY (PSU-H-LED)<sup>3</sup>



277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.3kg

1 Any power level can be selected in this range.

2 Fixed output power; Modulation up to 30kHz.

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