

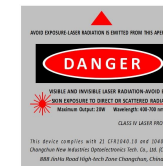


## MLL-F-532-SM



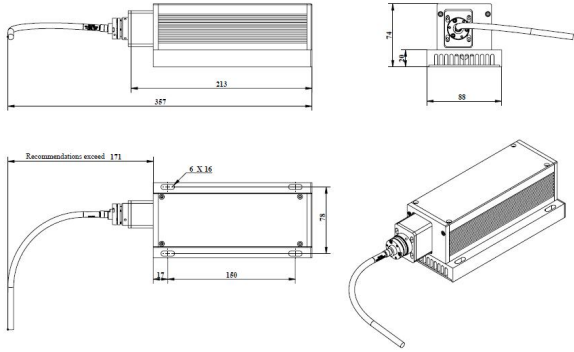
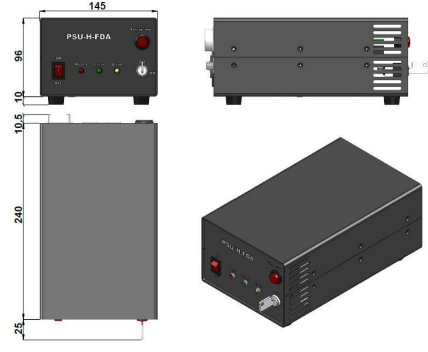
### SM FIBER OUTPUT LASER

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

|                                      |                                                                    |
|--------------------------------------|--------------------------------------------------------------------|
| Part number                          | MLL-F-532-SM                                                       |
| Wavelength (nm)                      | 532±1                                                              |
| Operating mode                       | CW                                                                 |
| Output power (mW) <sup>1</sup>       | 200-1000                                                           |
| Power Stability (rms, 4 hours ± 3°C) | <3%, <2%, (<1% optional)                                           |
| Transverse mode                      | TEM <sub>00</sub> (single mode fiber output)                       |
| M <sup>2</sup>                       | <1.2                                                               |
| Polarization (optional)              | >50:1 after PM fiber                                               |
| Noise of amplitude (rms, 20Hz-20MHz) | <1%                                                                |
| Fiber type                           | SM fiber (PM fiber optional)                                       |
| Fiber core diameter                  | 3.5um, 0.10NA                                                      |
| Fiber connector                      | FC/APC                                                             |
| Fiber length <sup>2</sup>            | 1m                                                                 |
| Fiber Jacket                         | PVC, Metal optional                                                |
| Warm-up time (minutes)               | <10                                                                |
| Operating temperature (°C)           | 10-30                                                              |
| 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                                                                                                                                     | POWER SUPPLY (PSU-H-FDA) <sup>3</sup>                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>357 (L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.972 kg</p>    |  <p>275.5 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.5 kg</p> |
| POWER SUPPLY (PSU-H-LED) <sup>4</sup>                                                                                                          |                                                                                                                                                 |
|  <p>275.5 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.5 kg</p> |                                                                                                                                                 |

1 Any power level can be selected in this range.

2 Other lengths are available on request.

3 Fixed output power.

4 Output power adjustable 10-100%.