



FL-1064-Pico/10mW-5W

PICOSECOND ALL FIBER PULSED  
LASER

Picosecond all fiber pulsed laser at 1064nm is made features of high output power stability, good beam profile, ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in laser radar, precision marking, precision drilling, life science, precision etching, microelectronics, scientific research, etc.



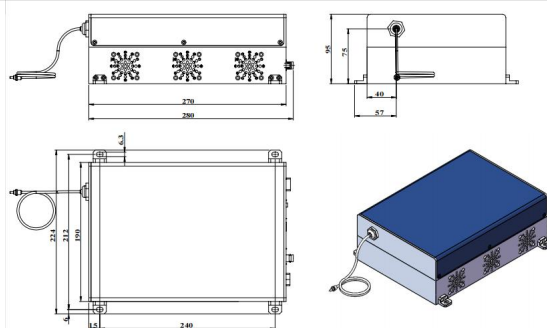
SPECIFICATIONS

|                                     |                             |          |
|-------------------------------------|-----------------------------|----------|
| Wavelength (nm)                     | 1064±1                      |          |
| Operating mode                      | Pulsed                      |          |
| Average power (mW) <sup>1</sup>     | 10-100mW                    | 100mW-5W |
| Power stability (rms, 4 hours ±3°C) | <3%, <2%                    |          |
| Pulse duration (ps) <sup>2</sup>    | 100-900                     |          |
| Rep. rate <sup>3</sup>              | 100kHz-20MHz                |          |
| M <sup>2</sup>                      | <1.2                        | <1.8     |
| Fiber connector <sup>4</sup>        | FC/APC, Collimator optional |          |
| Fiber length (m) <sup>5</sup>       | 1                           |          |
| Fiber jacket                        | PVC, Metal optional         |          |
| Beam diameter (mm) <sup>6</sup>     | 4±1 (Collimator output)     |          |
| Polarization ratio (dB)             | Random / >15                |          |
| Warm-up time (minutes)              | <15                         |          |
| Cooled method                       | Air cooled                  |          |
| Operating temperature (°C)          | 15-35                       |          |
| Operating voltage (VDC/VAC)         | 12V/11.5A                   |          |
| Expected lifetime (hours)           | >10000                      |          |



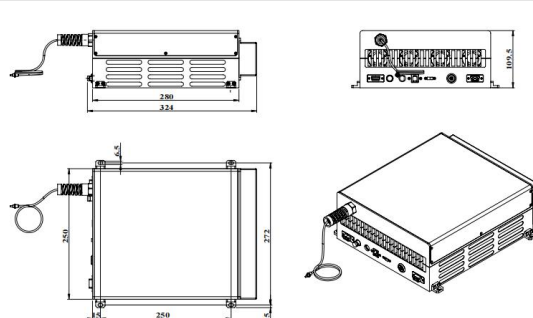
LASER HEAD (Driver integrated)

FL-1064-Pico-I<sup>7</sup>



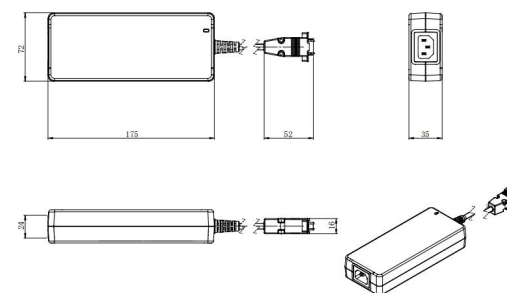
280(L)×224(W)×95(H) mm<sup>3</sup>, 3.5kg

FL-1064-Pico-II<sup>8</sup>



324(L)×282(W)×109.5(H) mm<sup>3</sup>, 8.5 kg

POWER SUPPLY  
(100-240VAC) optional



350(L)×185(W)×60(H) mm<sup>3</sup>, 0.7kg

1 Output power adjustable 10-100%. 2 One fixed value between 100-900ps; 100-900ps variable can be customized.

3 One fixed value between 0.1-20MHz. Repetition rate variable or other frequency can be customized. 4 Other output mode can be customized.

5 Other lengths are available on request. 6 Other beam diameter can be customized. 7 Peak power<5kW. 8 Peak power>5kW.