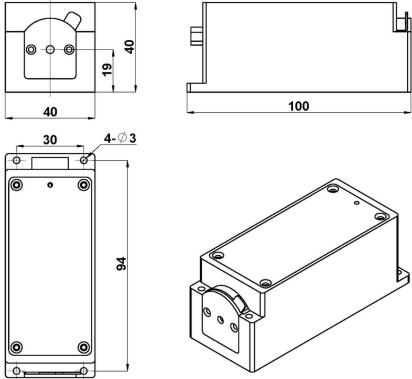
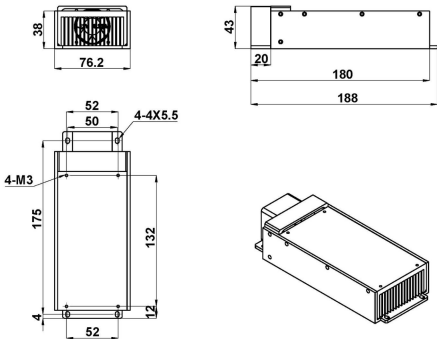
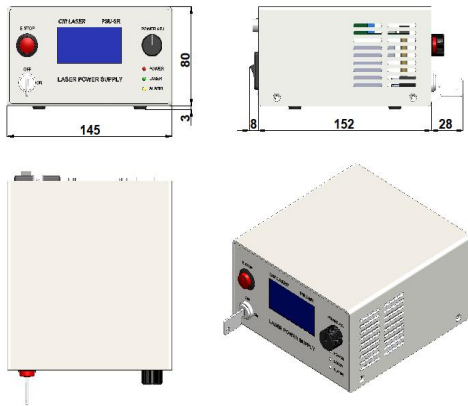


## LD PUMPED ALL-SOLID-STATE PASSIVELY LASER



|                                                                 |                  |                   |       |                   |          |
|-----------------------------------------------------------------|------------------|-------------------|-------|-------------------|----------|
| Wavelength (nm)                                                 |                  | 946±1             |       | 1030±1            |          |
| Operating mode                                                  |                  | Passively         |       |                   |          |
| Average power (mW) <sup>1</sup>                                 |                  | 1-50              | 1-100 | 1-300             | 1-450    |
| Single pulse energy (μJ) <sup>2</sup>                           |                  | 1-50              | 1-25  | 1-70 <sup>3</sup> | 1-50     |
| Pulse duration (ns)                                             |                  | ~2.6              | ~4    | ~0.6              |          |
| Peak power (kW)                                                 |                  | 27                | 6.3   | 1.6-116.6         | 1.6-83.3 |
| Rep. rate (kHz)                                                 | Int <sup>4</sup> | 0.001-1           | 1-4   | /                 |          |
|                                                                 | Ext <sup>5</sup> | 0.001-1           | 1-4   | /                 |          |
|                                                                 | QCW <sup>6</sup> | /                 |       | 3-5               | 8-10     |
| Power stability (rms, 4 hours ±3°C)                             |                  | <5%, <3%, <2%     |       |                   |          |
| Transverse mode                                                 |                  | TEM <sub>00</sub> |       |                   |          |
| M <sup>2</sup>                                                  |                  | <1.5              |       |                   |          |
| Beam diameter at the aperture (mm)                              |                  | ~1.0              |       |                   |          |
| Beam divergence, full angle (mrad)                              |                  | <1.5              |       |                   |          |
| Polarization ratio                                              |                  | /                 |       |                   |          |
| Pointing stability (μrad) (over 2 hours after warm-up and ±3°C) |                  | <50               |       |                   |          |
| Pointing stability over temperature (μrad/°C)                   |                  | <8                |       |                   |          |
| Warm-up time (minutes)                                          |                  | <10               |       |                   |          |
| Beam height from base plate (mm)                                |                  | 19                |       |                   |          |
| Operating temperature (°C)                                      |                  | 10-35             |       |                   |          |
| Power supply (100-240VAC)                                       |                  | PSU-SR            |       |                   |          |
| Expected lifetime (hours)                                       |                  | >10000            |       |                   |          |

| LASER HEAD                                                                                                                          | HEATSINK (optional TC-04-FS)                                                                                                          | POWER SUPPLY <sup>7</sup>                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|  <p>100(L)×40(W) ×40(H) mm<sup>3</sup>, 0.36kg</p> |  <p>188(L)×76.2(W)×43(H) mm<sup>3</sup>, 0.65kg</p> |  <p>188(L) ×145(W) ×83(H) mm<sup>3</sup>, 1.2kg</p> |

1 Average power (mW)= Single pulse energy (μJ)\* Rep. rate(kHz)

2 Any energy level can be selected within this range.

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

4 The frequency is selectable from one or five discrete values within the range.

5 External triggered.

6 The rep.rate is a free running value within this range.

7 Fixed output energy.