**FC-OEM-1627**/1-5mW



# VIOLET DIODE LASER AT 1627nm

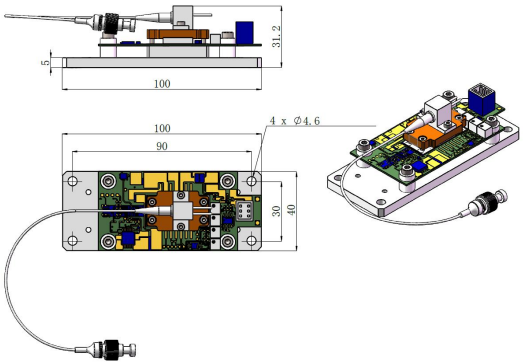
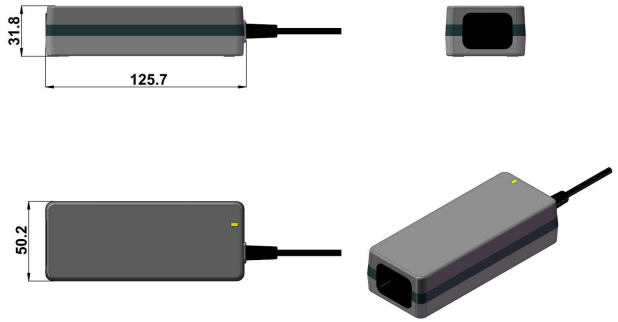
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in medical imaging, flow cytometry, DNA sequencing, etc.

**SPECIFICATIONS**

| | |
|---|---|
| Central wavelength (nm) | 1627±3 |
| Operating mode | CW |
| Output power after fiber (mW)[1] | 1-5 |
| Power stability (rms, 4 hours ± 3°C) | <2%, <1%, <0.5% |
| Fiber type | SM fiber, PM fiber optional |
| Fiber Core diameter | 4-9μm, 0.12NA |
| Fiber connector | FC/PC, FC/APC optional |
| Fiber length | 0.8m |
| Fiber jacket | 0.9mm PVC |
| Transverse mode | $TEM_{00}$ |
| Ellipticity | >0.95 |
| $M^2$ after fiber | ~1.1 |
| Warm-up time (minutes) | <5 |
| Cooled method | Conduction |
| Operating temperature (°C) | 10-35 |
| Operating voltage (VDC) | 5V |
| Expected lifetime (hours) | >10000 |






| LASER HEAD (DRIVER Integrated)[2] | POWER SUPPLY (100-240VAC) optional |
|---|---|
|  |  |
| **100 (L) ×40 (W) ×31.2 (H) mm³, 0.2kg** | **125.7 (L) ×50.2 (W) ×31.8 (H) mm³, 0.3kg** |

1 Any power level can be selected in this range.

2 Fixed output power; RS232 control optional;