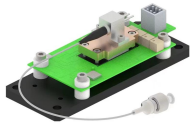


FC-OEM-442/1-15mW



VIOLET DIODE LASER
AT 442nm

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

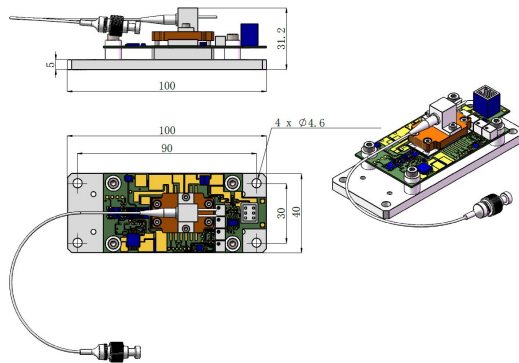


SPECIFICATIONS

| | |
|--|-----------------------------|
| Central wavelength (nm) | 442±10 |
| Operating mode | CW |
| Output power after fiber (mW) ¹ | 1-15 |
| 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 |

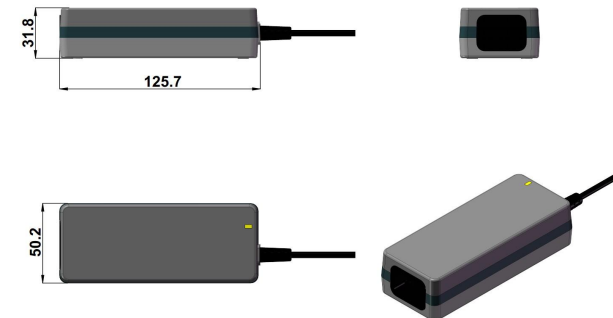


LASER HEAD (DRIVER Integrated)²



100 (L) × 40 (W) × 31.2 (H) mm³, 0.2kg

POWER SUPPLY (100-240VAC) optional



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;