

## 946nm DPSS Infrared Laser



### Specifications:

|                                                      |                                                 |                  |
|------------------------------------------------------|-------------------------------------------------|------------------|
| <b>Model</b>                                         | <b>SDL-946-XXXXT</b>                            |                  |
| <b>Output Power @ 25 °C</b>                          | 1~400mW                                         |                  |
| <b>Wavelength</b>                                    | 946±1nm                                         |                  |
| <b>Operation Mode</b>                                | CW, TEM00                                       |                  |
| <b>Beam height from base plate (mm)</b>              | 24. 8mm                                         |                  |
| <b>Point Stability after warm-up</b>                 | <0.05mrad                                       |                  |
| <b>Beam Diameter at the aperture</b>                 | ~2. 0mm                                         |                  |
| <b>Beam Divergence (1/e<sup>2</sup>, Full Angle)</b> | <1.5mrad                                        |                  |
| <b>Power Stability after warm-up</b>                 | <1%, <3%, <5% (over 2/4/8 hours)                |                  |
| <b>M2 factor</b>                                     | <1.5                                            |                  |
| <b>Warm-up time</b>                                  | <10 minutes                                     |                  |
| <b>Dimension of laser head</b>                       | 142 x 73 x 46mm                                 |                  |
| <b>Power Supply</b>                                  | SDL-PS-100                                      | SDL-PS-300       |
| <b>Input Voltage</b>                                 | 90-264VAC or 5VDC, 50/60Hz                      |                  |
| <b>Dimension of Power Suply</b>                      | 100 x 60 x 56mm                                 | 130 x 120 x 62mm |
| <b>Modulation</b>                                    | TTL Modulation >5KHz or analog Modulation >2KHz |                  |
| <b>Operating Temperature</b>                         | 10°C~35°C                                       |                  |
| <b>Expect life time</b>                              | 10000 hours                                     |                  |
| <b>Warranty time</b>                                 | 1 year                                          |                  |