

**FL-1064-SF/1~500mW**

**SINGLE FREQUENCY MODE  
FIBER LASER AT 1064 nm**

All polarization fiber single frequency mode high power laser at 1064nm is consisting of the seed laser and an amplifier optimized for low noise operation and application demanding more optical power, which has been designed for operation in ranging, gravitational wave, scientific research, etc.



**SPECIFICATIONS**

|                                     |                                |     |     |
|-------------------------------------|--------------------------------|-----|-----|
| Wavelength (nm)                     | 1064±1                         |     |     |
| Operating mode                      | CW                             |     |     |
| Output power (mW)                   | 10                             | 100 | 500 |
| Power stability (rms, over 4 hours) | <1%, <2%                       |     |     |
| Transverse mode                     | TEM <sub>00</sub>              |     |     |
| Longitudinal mode                   | Single                         |     |     |
| Spectral linewidth (KHz)            | <100                           |     |     |
| Frequency shift (MHz)               | <10@1hour                      |     |     |
| M <sup>2</sup> factor               | <1.2                           |     |     |
| Beam Delivery Optics                | FC/APC                         |     |     |
| Polarization ratio(dB)              | >15                            |     |     |
| Warm-up time (minutes)              | <30                            |     |     |
| Operating temperature (°C)          | 15~30                          |     |     |
| Power supply (V DC)                 | 12                             |     |     |
| Expected lifetime (hours)           | 10000                          |     |     |
| Warranty                            | 1 year                         |     |     |
| Options                             | RS 232 interface<br>PZT tuning |     |     |

