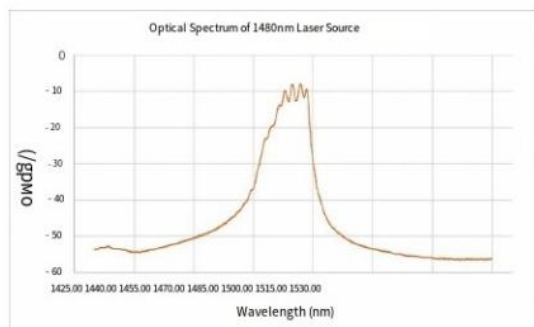


## 1480nm Wavelength SM Fiber Coupled Laser

The 1480nm wavelength laser adopts high-performance semiconductor laser chips. The professionally designed drive and temperature control circuits ensure the safe operation of the laser, with stable output power and spectrum. It is suitable to be used as the pump laser source for fiber lasers or EDFA fiber amplifiers, and can be provided in either desktop or module packaging.



### Features

High output power  
Power and spectral stability  
Module or desktop packaging

### Application

Fiber laser  
Erbium-doped fiber pump  
Optical testing

| Optical indicators                  | unit | Typical value  |                              | Note                   |
|-------------------------------------|------|----------------|------------------------------|------------------------|
| Working wavelength                  | nm   | 1480           |                              |                        |
| Wavelength accuracy                 | nm   | ±10            |                              | FBG wavelength locking |
| Working mode                        | -    | CW             |                              | Continuous light       |
| Output power                        | mW   | 200/400/500/80 |                              |                        |
| Power regulation range              | -    | 10% to 100%    |                              |                        |
| Short-term stability ( 15 minutes ) | dB   | ±0.02 or less  |                              | Equivalent ≤ ±0.5%     |
| Long-term stability (8 hours)       | dB   | ±0.05 or less  |                              | Equivalent ≤ ±1.2%     |
| polarization state                  | -    | random         | Linear polarization          |                        |
| Fiber pigtail type                  | -    | SMF-28         | PM1550                       |                        |
| Fiber pigtail connector type        |      | FC/APC         | FC/APC (Slow Axis Alignment) |                        |

| Electrical and environmental parameters | Desktop                                | Module                     |
|---|--|----------------------------|
| Control mode                            | Key input / RS232 serial communication | RS232 serial communication |
| Communication interface                 | DB9 Female                             | DB9 Female                 |
| for Electricity                         | 100~240V AC, <30W                      | 5V DC, <15W                |
| ruler inch                              | 260(W)×280(D)×120(H)mm                 | 125(W)×150(D)×20(H)mm      |
| Operating temperature range             | -5~+35 C                               |                            |
| Working humidity range                  | 0 to 70%                               |                            |

### Ordering Information / Model

| FL | Working wavelength (nm) | Output power (mW) | Output pigtail type    | Encapsulation form        |
|----|-------------------------|-------------------|------------------------|---------------------------|
|    | 1480                    | 200/400/500/80    | SM=SMF-28<br>PM=PM1550 | M = module<br>B = desktop |