

## 1450nm 2mW Single Mode Fiber Coupled Laser Source

### Features:

- 1450nm
- With 9 $\mu$ m Single Mode Fiber
- Built-in TEC Cooling
- Output Power Adjustable
- TTL / Analog Modulation Optional
- APC Function Optional
- High Stability
- Long Lifetime



WAVESPECTRUM offer the **Turn-key Fiber Coupled Laser System**, the Wavelength is form 375nm to 1550nm, the Fiber Type can be **SM Fiber**, **PM Fiber** and **MM Fiber**. The Output Power is from 1mW to 50W. The Typical Wavelength is below:

375nm,405nm,445nm,488nm,520nm,532nm,635nm,650nm,660nm,670nm,685nm,785nm,808nm,830nm, 850nm,880nm,905nm,915nm,940nm,980nm,1064nm,1310nm,1450nm, 1470nm and 1550nm etc.

Our **Laser System** includes the **Fiber Coupled Laser Module**, **Power Supply** and **TEC Cooling System**. It is easy to use and with **High Reliability**, **High Stability**, **Long Lifetime**. The Laser System have passed the **ROHS** and **CE** Certification,

WAVESPECTRUM also offer the Customized Laser System, such as **Dual-Wavelength Laser System**, **Tri-Wavelength Laser System** and **Fiber Detachable Laser System**.

More information Please visit our website: [en.wavespectrum-laser.com.cn](http://en.wavespectrum-laser.com.cn)



| Specification            |                      | WSLS-1450-002m-9-DFB                 |        |      |
|--------------------------|----------------------|--------------------------------------|--------|------|
|                          |                      | Min                                  | Type   | Max  |
| Optical data             | Wavelength           | ±3nm                                 | 1450nm | ±5nm |
|                          | Output Power         | 0~2mW adjustable                     |        |      |
|                          | Spectral Width       |                                      | 0.2nm  |      |
|                          | M2                   | <1.3                                 |        |      |
|                          | Beam type            | Gaussian                             |        |      |
| Fiber data               | Fiber core           | 9um                                  |        |      |
|                          | Numerical Aperture   | 0.12                                 |        |      |
|                          | Fiber type           | Single mode                          |        |      |
|                          | Fiber Length         | >80cm                                |        |      |
|                          | Connector            | FC/SMA905                            |        |      |
| Control data             | Operation mode       | CW                                   |        |      |
|                          |                      | TTL Modulation (optional)            |        |      |
|                          |                      | Analog Modulation (optional)         |        |      |
|                          | Power stability      | 1%                                   | ----   | 3%   |
|                          | Noise (10Hz~100MHz)  | 0.5% rms                             | 1% rms |      |
|                          | APC Function         | Auto Power Control Function optional |        |      |
|                          | Cooling Way          | Built-in TEC cooling                 |        |      |
| Environmental Conditions | Operation Temp       | 0~40℃                                |        |      |
|                          | Storage Temp         | -20~55℃                              |        |      |
| Power supply             | AC (Standard)        | 90V~240VAC, 50~60Hz                  |        |      |
|                          | DC (Optional)        | +5V                                  |        |      |
| Accessory                | Collimator           | Optional                             |        |      |
|                          | Laser Safety Goggles | Optional                             |        |      |

