

1550nm Fiber Laser (High power)

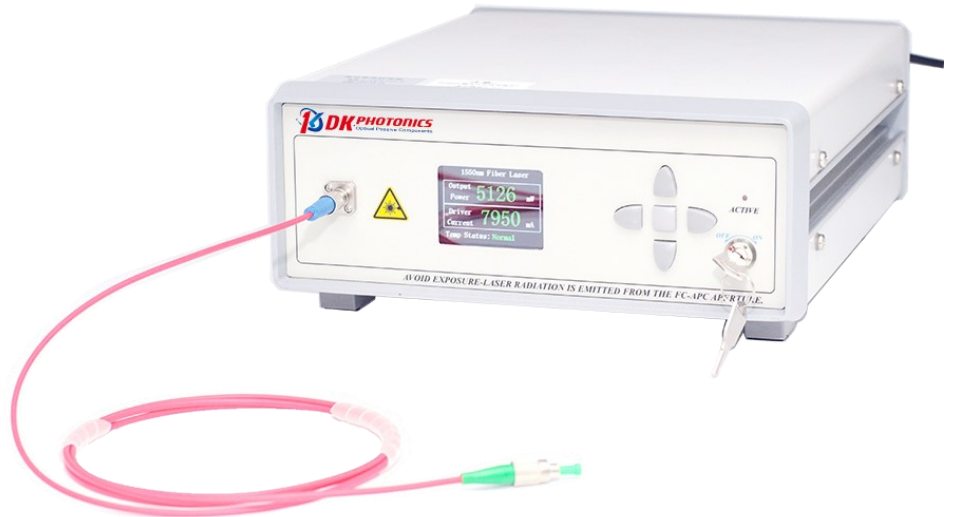
1550nm fiber laser light source adopts DFB semiconductor laser chip, single-mode optical fiber output, professionally designed driving circuit and TEC control to ensure laser safety and stability, which can provide desktop or modular packaging.

Key Features

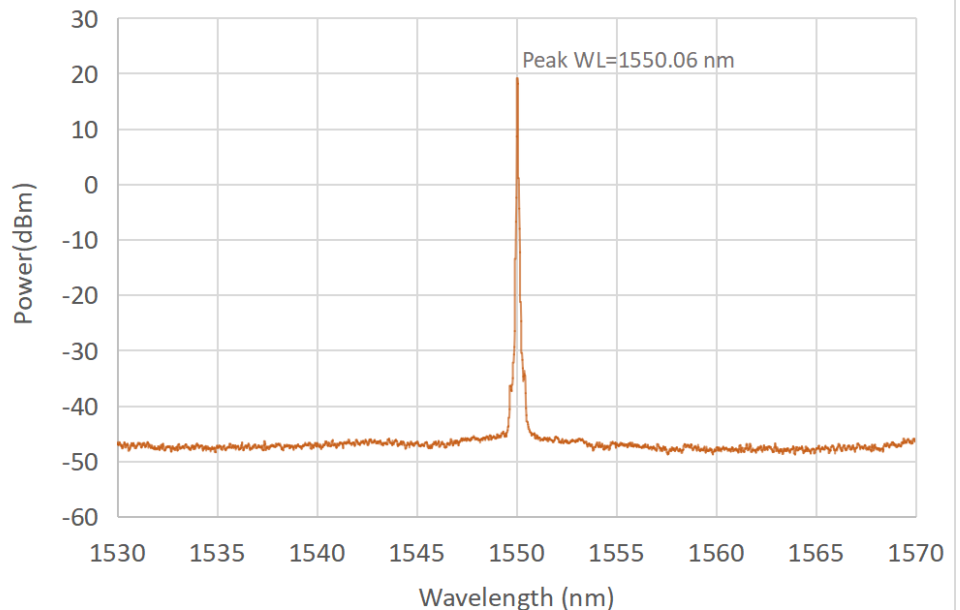
- 1W/5W/10W/15W power options
- Single-mode fiber output
- Multiple spectra optional

Applications

- Fiber Sensor
- Fiber Laser
- Laser Radar



Optical Spectrum of 1550nm Laser Source



For more Info

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Performance Specifications 1550nm Fiber Laser (High power)

Optical Parameter	Unit	Typical Values	Remark
Center wavelength	nm	1550±0.5	1540~1565nm Optional
Spectrum Linewidth	nm	≤0.1	
Sideband Rejection Ratio	dB	>50	
Output Power	W dBm	5/10/15 30/33/37/40/43	Customized
Short-term Stability (15 Minutes)	dB	≤ ±0.02	
Long-term Stability (8 Hours)	dB	≤ ±0.05	
Fiber Type	-	SMF-28e/PM1550 Panda	
Optical Connector	-	FC/APC	

Electrical and environmental parameters	Desktop	Module
Control Mode	Button	RS232
Communication Interface	* Optional	DB9 Female
Power Supply	100~240V AC, <150W	5V DC, <60W
Dimensions	260(W)×320(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature Range	-5~+55°C	
Operation Humidity Range	0~70%	

Order information P/N: ①-②-③-④-⑤

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better.

①	②	③	④	⑤
FL	Operation Wavelength	Output power (W): 5/10/15	Fiber Type	Package Type
	1550	Output power (dBm): 30/33/37/40/43	SM: SMF-28e PM: PM1550 panda	M: Module B: Desktop

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.