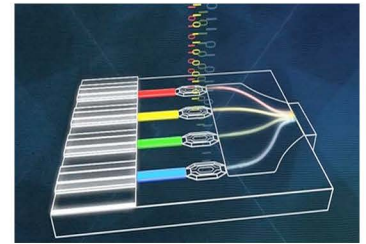
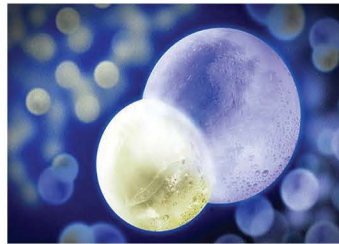


MIR Widely Tunable Fiber Laser - OPPO MIR

OPPO MIR is a tunable laser based on optical parameter oscillation (OPO).

OPPO MIR has tunable wavelength range of 2.8~4.2um, with maximum output power >1W at characteristic wavelengths. Both picosecond (100ps) and CW (narrow-linewidth) versions are available.

OPPO MIR has important applications in material characterizations, remote sensing, medical and biomedical fields. It boasts rugged industrial design ensuring high stability and high reliability. The user-friendly software allows easy control of both operating wavelength and power. With high brightness, good coherence performance, it can be widely used in mid-infrared sensing and infrared materials/structure characterizations etc.



Key Features :

- Wavelength tunable
- Mode-hop-free sweep
- Excellent power stability
- Diffraction limited beam

Applications :

- Gas sensing
- Atmospheric remote sensing
- Test and measurement
- Spectroscopy

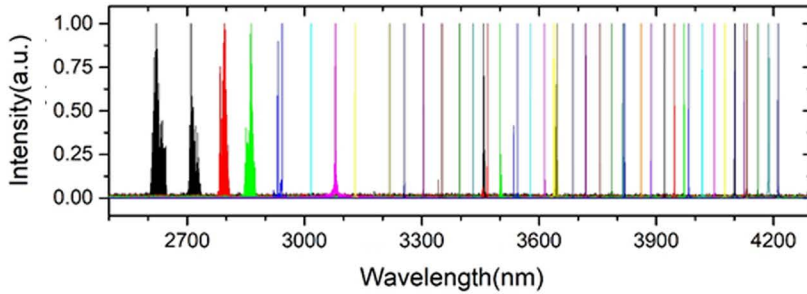
» Main Specification:

Laser Parameters		Picosecond laser	Continuous wave laser
Operating Wavelength	nm	2800-4200	2800-4200
Wavelength tuning accuracy	nm	<1	<0.1
Average Power	mW	>100	up to 2.5W
Pulse Width (FWHM)	ps	<100	
Repetition Rate	MHz	100±2	
Spectral linewidth	MHz		<20
Beam Diameter	mm	5±1	2±1
Beam Mode		TME00	
Average Power Stability	% RMS	<2 (12h@25°C)	
Output Polarization		Linear Polarization	
Output Type		Collimating Output	
Electrical, Environmental and Mechanical Parameters			
Supply Voltage	VAC	220	
Operational Temperature Range	°C	15~35	
Operational Humidity Range	%	20~80 (non-condensing)	
Storage Temperature Range	°C	-20~+50	
Storage Humidity Range	%	20~80 (non-condensing)	
Weight Laser Head	kg	36	
Dimensions Laser Head	mm(L×W×H)	800×730×116.5	
Cooling		Water-cooled	

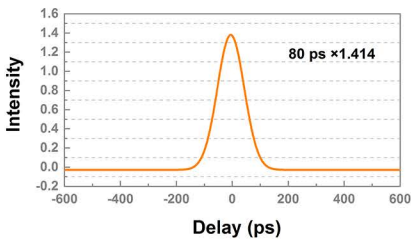
Test Data :

Continuous wave laser:

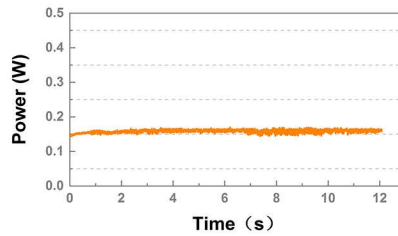
Output spectrum



Typical output pulse width

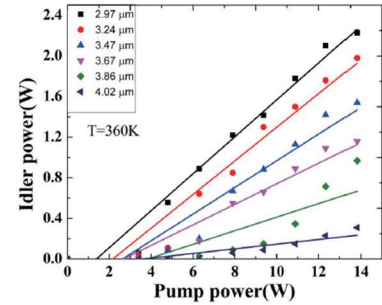


Output power stability

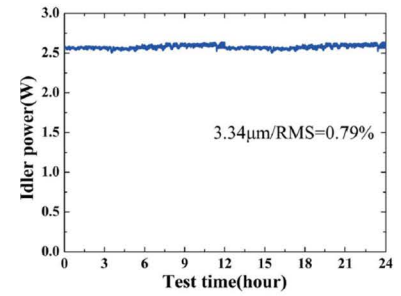


Picosecond laser :

Typical output power



Output power stability



Machine Drawing

