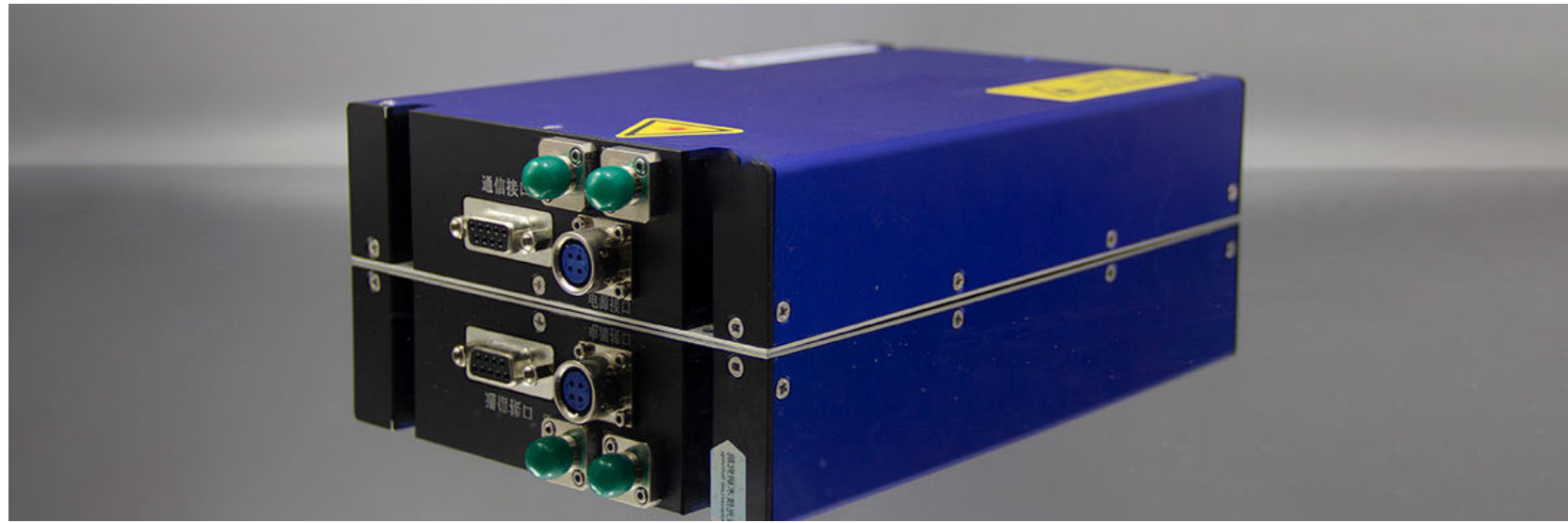


1030-1080nm Single Frequency Fiber Laser



DESCRIPTION

Single frequency fiber laser products are divided into single frequency continuous fiber laser and single frequency pulse fiber laser. After a long time of research and development and improvement, a unique product has been formed.

The single frequency continuous fiber laser series uses different types of low noise single frequency narrow linewidth laser as seed source, MOPA enlarges all fiber structure, through the optimization of engineering parameters of amplification stage, current noise suppression, high gain fiber nonlinear effect suppression, high power and low noise laser output is realized, maintaining the beam quality of high spectral signal-to-noise ratio and near diffraction limit. This series of products are widely used in laser coherent communication, atmospheric environment test, laser sensor, coherent synthesis and other test systems, with the following technical advantages:

Low Rin value is helpful to improve the precision of laser sensing and coherent communication;
High output power helps to improve the signal-to-noise ratio of atmospheric environment test

FEATURES

- Narrow line width, low noise
- All-fiber amplification structure
- Input and output safety protection lock function
- Simple operation and maintenance
- Optional USB control interface, hardware lock

APPLICATION

- Laser coherence
- Adaptive optics
- Atmospheric environment detection
- Laser sensing
- Laser spectroscopy

PARAMETERS

Model	CL1030~1080-20W-SCFL001	CL1030~1080-50W-SCFL002	
Optical Parameter	Central Wavelength (nm)	1030~1080	1030~1080
	Output Power (W)	>20	>50
	Power Stability	<1%	<2%
	Power Adjustable Range	10%-100%	10%-100%
	Beam Quality M ²	<1.2	<1.2
	Output Spectral Line Width (KHz)	<100	<100
	RIN Value (dB@1MHz)	<-140	<-140
	Polarization Extinction Ratio (dB)	>20	>15
Function Parameter	output Method	FC/APC	QBH collimation
	Control Interface	DB9, RS422	DB9, RS422
	Cooling Method	Air-cooled	Water cooling
	Powered By	220VAC/50Hz	220VAC/50Hz
	Output Power (W)	<300	<300
Environmental Requirements	Operating Temperature	-5-40	-5-40
	Storage Temperature	-10-60	-10-60
	Humidity	0-80%	0-80%
Weight and Size	Laser Head Weight (Kg)	<30	<30
	Power Weight (Kg)	Photoelectric integrated	<10
	Laser Head Size (mm)	451*353*123	Customer settings
	Power Size	-	Customer settings

OUTLINE SIZE(mm)

