



2000nm Broadband ASE Light Source High Power (1920-2020nm)



2023 V1

For customized projects please Contact us:
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2000nm Broadband ASE Light Source High Power (1920-2020nm) is a high-performance light source, using advanced laser technology, with a wide spectral coverage and stable output power.

The light source uses short wavelength laser pumped germanium-doped fiber, output through single-mode fiber, with a maximum output power of 1000mW. It has flat spectral characteristics, covering the 1920~2020nm band, which is very suitable for laser biology, spectral measurement and other applications.

Key Features

- Flat Spectrum
- In The Mid-Infrared Band
- High Stability Output Power

Applications

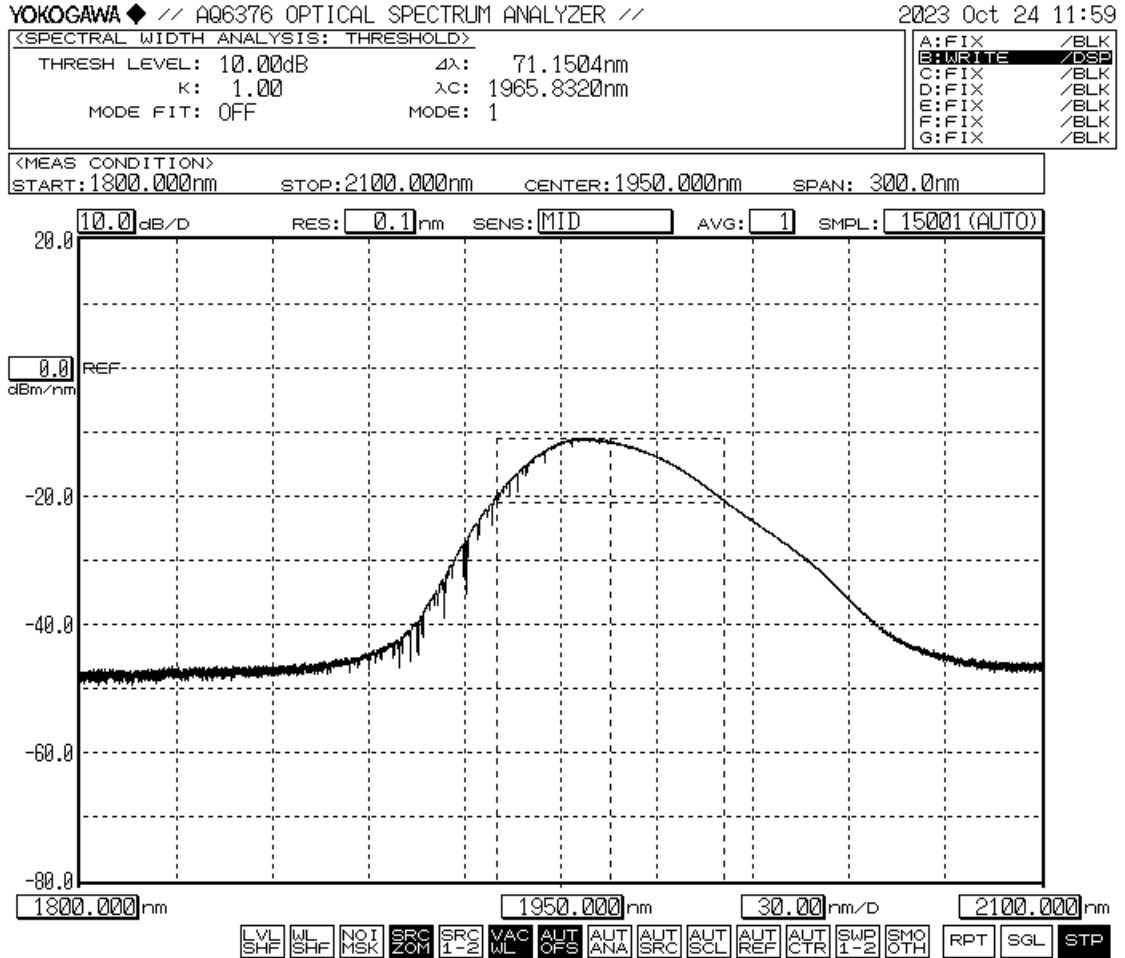
- Optical Fiber Sensing
- Medical Imaging
- Optical Fiber Device Testing



Specification

Optical Parameters	Unit	Typical Value	Remarks
Spectral Range	nm	1920~2020	20dB Range
Output Optical Power	mW	50/100/200/500/1000	
Output Isolation	dBm	>35	
Short-term Stability (15 minutes)	dB	≤ ±0.02	Equivalent ≤±0.5%
Long-term Stability (8 hours)	dB	≤ ±0.05	Equivalent ≤±1.2%
Polarization Extinction Ratio PER	dB	≤ 0.2	
Optical Fiber& Connector	—	SMF-28(NA=0.12) OR SM 1950(NA=0.20), FC/APC	
General Parameters	Desktop Module	Module	
Control Function	Keystroke	RS232 Serial Port Communication	
Remote Control Port	Optional	DB9 Female	
Power Supply	100~240V AC, <30W	DC12V3A, ≤36W	
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×31.5(H)mm	
Operating Temperature	-5~+35°C		
Operating Humidity	0~70%		
Ordering Information/Product Code			
ASE	Spectral Range	Saturation Output Power (mW)	Fiber Type
	1920=1920~2020nm	10/20/50/100/200/500	SM
			Packaging
			M=Module B=Table Model

Test Data



1920~2020nm ASE Light source spectrum (200mW)