

1300nm/1310nm ASE Light Source Specification



1300 and 1550 and Low DOP 1250-1650nm ASE Light Source (above)

Description:

1300nm/1310nm ASE Broadband Light Source, based on Amplified Spontaneous Emission (ASE) laser diode (LD). Center wavelength 1300nm or 1310nm, operating wavelength range 1250 to 1350 nm, 1250 to 1370 nm, etc. Output power 5-10 mW, etc. Spectral density -20~-10 dBm/nm, Degree of Polarization (DOP) =5%. OEM model is well available on customer's special request.

Applications - 1300nm /1310nm ASE Light Source:

- Optical fiber sensing
- PLC, CWDM, DWDM, Film testing
- Optical fiber grating testing
- Optical fiber measurement equipments
- Fiber Optic Gyroscope (**FOG**)
- Optical coherence tomography (**OCT**)

Features - 1300nm /1310nm ASE Light Source:

- High output power
- High spectral stability
- Broadband spectrum output
- Low noise
- Low polarization and low coherent

Specifications - 1300nm /1310nm ASE Light Source:

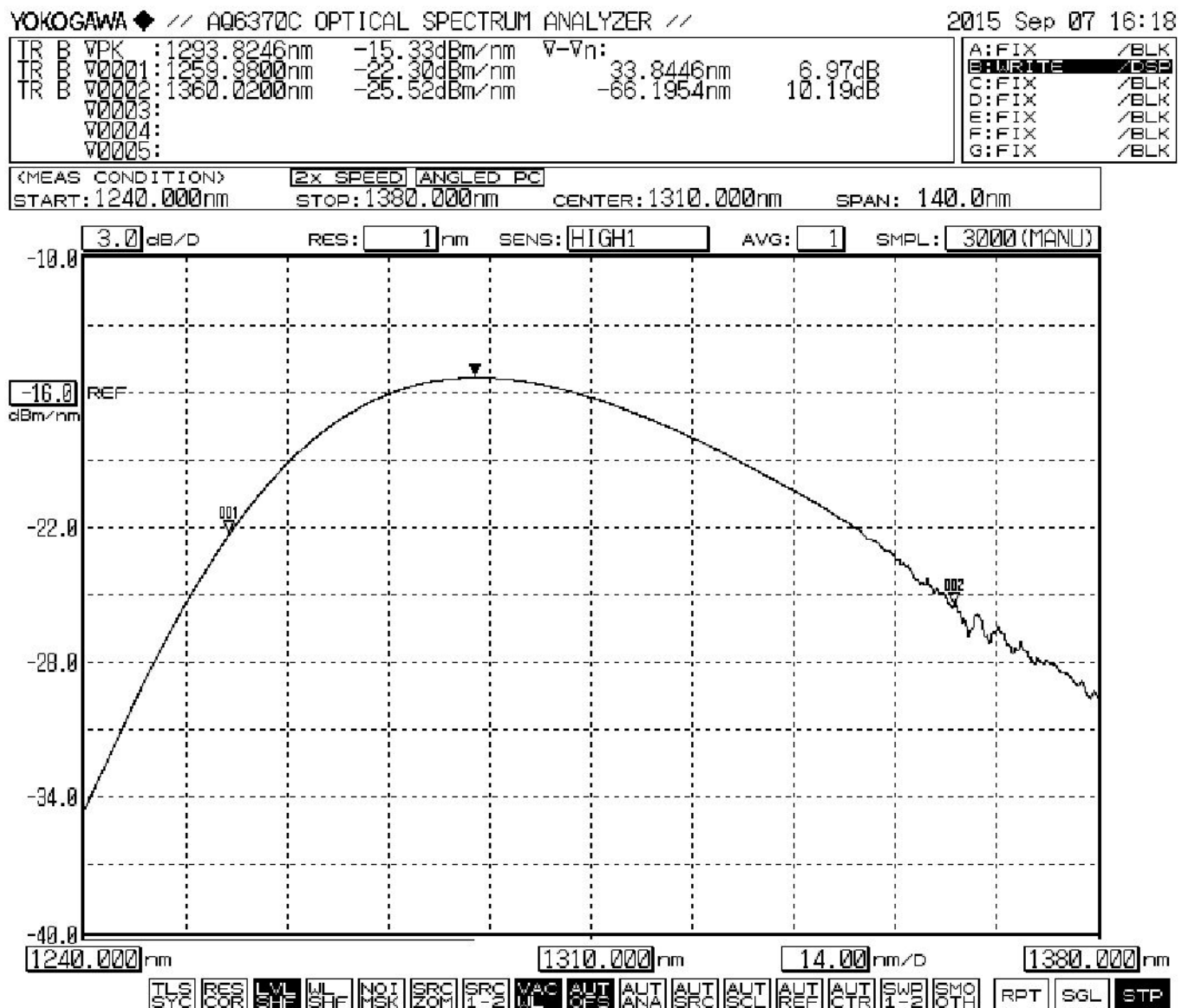
Parameters	ASE-1300
Operating wavelength (nm)	1250~1350, etc
Output power (mW)	5~10, etc
Spectral density (dBm/nm)	-20 ~ -10
Spectral stability (dB)	=±0.05(5 min)
Output power short-term stability (dB) 1	=±0.01 (5 min)

Output power long-term stability (dB) 2	=±0.03 (8 hour)
Degree of Polarization (DOP)	=5%
Pigtail fiber	SMF-28
Connector type	FC/PC, FC/UPC or FC/APC, etc
Operating temperature ()	0 ~ +65 (-20 ~ +65 available)
Storage temperature ()	-20 ~ +70
Relative humidity (%)	20~80
Power Supply	110/220V AC, +5V or +3.3V DC; >500mA; V < 1%
Maximal Power Consumption	10 W
Dimension (LxWxH, mm)	90x70x19(Module), or 320x220x90(Desk-top)

Remark: Stability is tested at room temperature 25±2 after pre-heating 30 minutes.

1. Test condition: fixed temperature, CW.
2. Test condition: temperature variation ±2 , CW.

Typical Spectrum



Ordering Information - 1300nm /1310nm ASE Light Source

ASE-1300	Package Type	Output Power	Fiber Type	Connector
	M=Module	10=10mW	S=SM Fiber	FC/UPC
	D=Desk-top	20=20mW	P=PM Fiber	FC/APC
		etc	etc	etc