

1390 ASE and 1650nm DFB Light Source



1390nm and Low DOP 1250-1650nm ASE Light Source (above)

Description:

1390nm/1380nm ASE Broadband Light Source, based on Amplified Spontaneous Emission (ASE) laser diode (LD). Center wavelength 1390nm or 1380nm, operating wavelength range 1350 to 1430 nm, 1305 to 1455 nm, etc. Output power 5-10 mW, etc. Spectral density -20~-10 dBm/nm, Degree of Polarization (DOP) $\leq 5\%$. OEM model is well available on customer's special request.

Applications:

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:

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

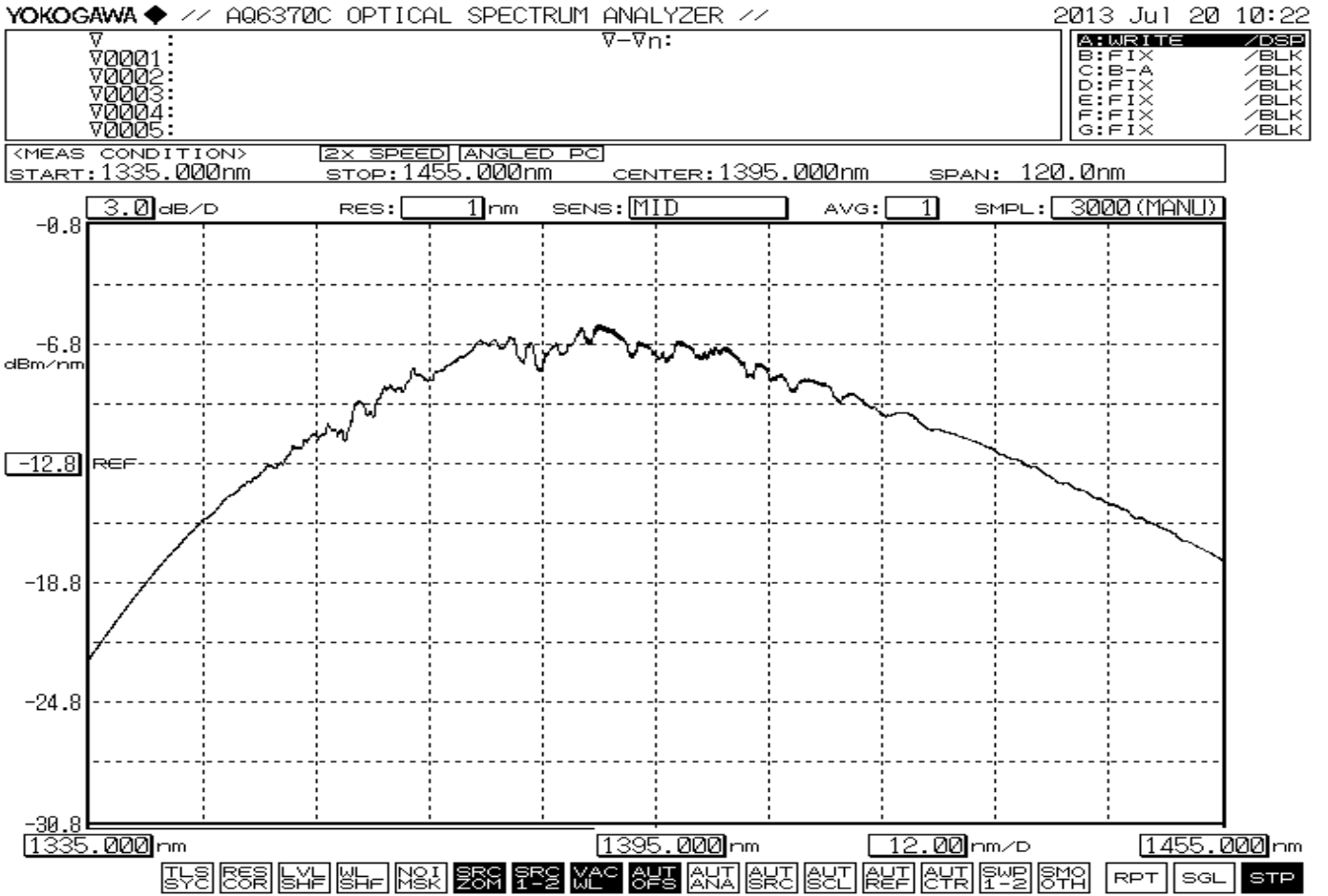
Specifications:

Parameters	ASE-1390
Operating wavelength (nm)	1350~1430, etc
Output power (mW)	5~10, etc
Spectral density (dBm/nm)	-20 ~ -10
Spectral stability (dB)	$\leq \pm 0.05$ (5 min)
Output power short-term stability (dB) 1	$\leq \pm 0.01$ (5 min)
Output power long-term stability (dB) 2	$\leq \pm 0.03$ (8 hour)
Degree of Polarization (DOP)	$\leq 5\%$
Pigtail fiber	SMF-28
Connector type	FC/PC, FC/UPC or FC/APC, etc
Operating temperature (°C)	0 ~ +65 (-20 ~ +65 available)
Storage temperature (°C)	-20 ~ +70
Relative humidity (%)	20~80
Power Supply	110/220V AC, +5V or +3.3V DC; >500mA; $\Delta V < 1\%$
Maximal Power Consumption	10 W
Dimension (L×W×H, mm)	90×70×19(Module), or 320×220×90(Desk-top)

Remark: Stability is tested at room temperature $25 \pm 2^\circ\text{C}$ after pre-heating 30 minutes.

1. Test condition: fixed temperature, CW.
2. Test condition: temperature variation $\pm 2^\circ\text{C}$, CW.

Typical Spectrum



Ordering Information

ASE-1390	Package Type	GFF	Output Power	Fiber Type	Connector
	M=Module D=Desk-top	G=With GFF N=Without GFF	10=10mW 20=20mW etc	S=SM Fiber P=PM Fiber etc	FC/UPC FC/APC etc