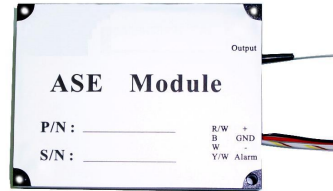


ASE L Broadband Light Source



Applications

Optical fiber sensing
 PLC,CWDM ,DWDM ,Film testing
 Optical fiber grating testing
 Optical fiber measurement equipments
 Fiber optic gyro
 Optical coherence tomography

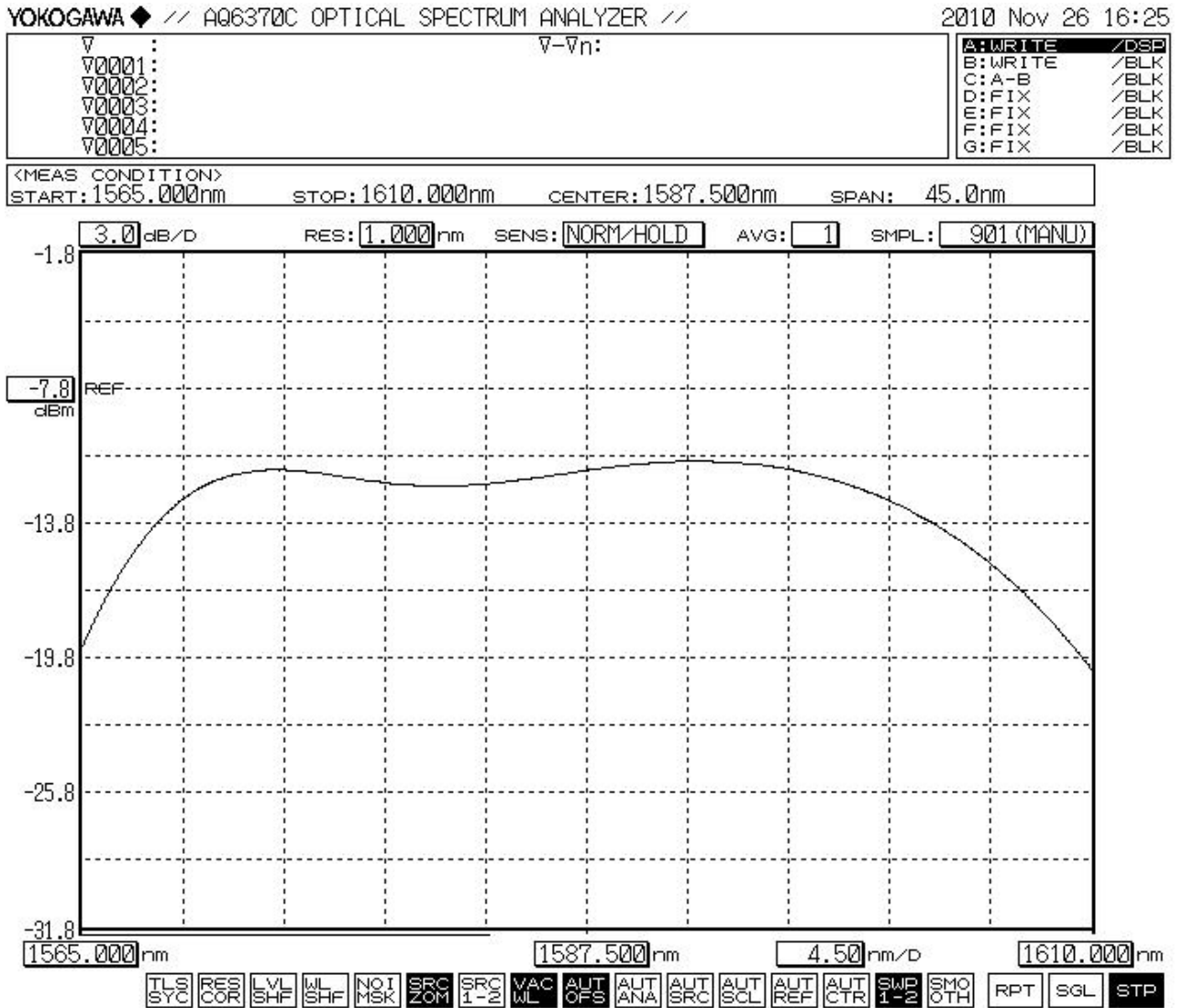
Features

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

Specifications

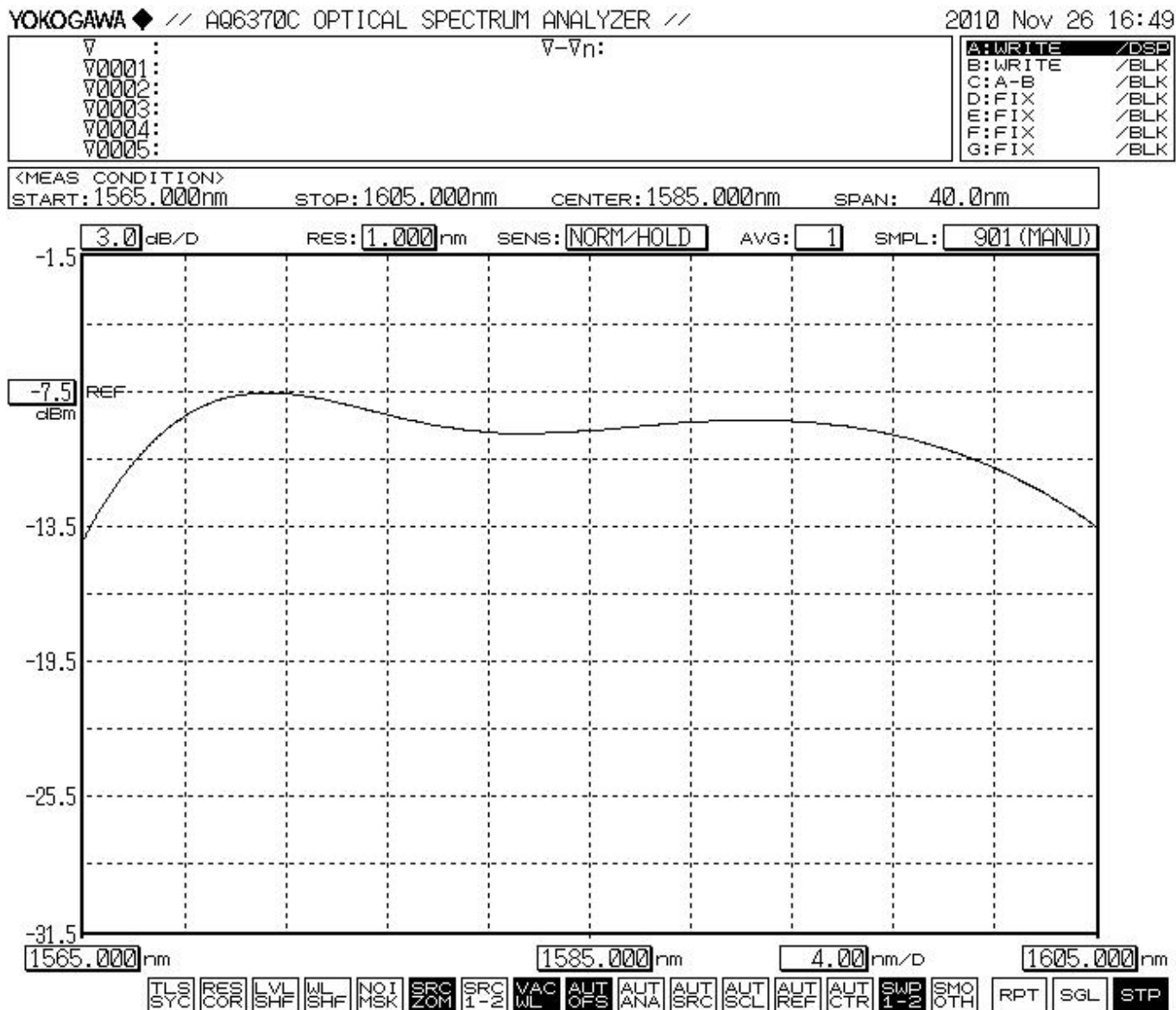
Parameters	ASE-L	
		GFF
GFF	//	GFF
Operating wavelength (nm)	1565~1610	1568~1600
Output power (dBm)	10.0 ~15.0	7.0~15.0
Spectral density (dBm/nm)	-20 ~ -2	
Spectral stability (dBm/nm)	$\leq \pm 0.05$ (5 min)	
Output power short-term stability (dB)	$\leq \pm 0.01$ (5 min)	
Output power long-term stability (dB)	$\leq \pm 0.03$ (8 hour)	
Polarization	$\leq 5\%$	
Pigtail fiber	SMF-28	
Connector type	FC/PC, FC/UPC or FC/APC	
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	10W	
Dimensions (L×W×H mm)	90×70×19, 320×220×90	

Typical spectrum



13dBm output spectrum without GFF

Typical spectrum

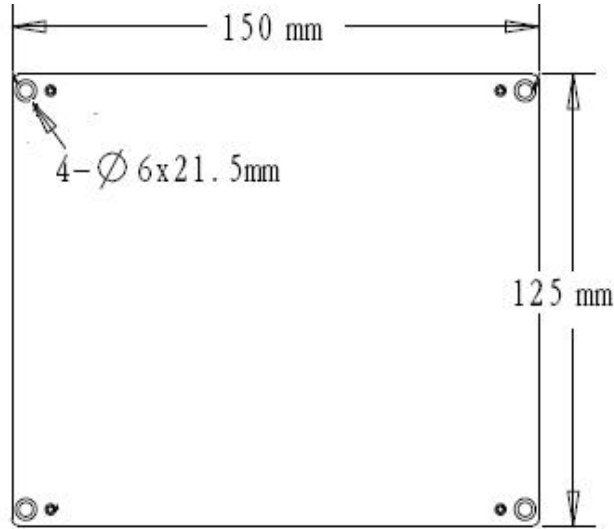


10dBm output spectrum with GFF

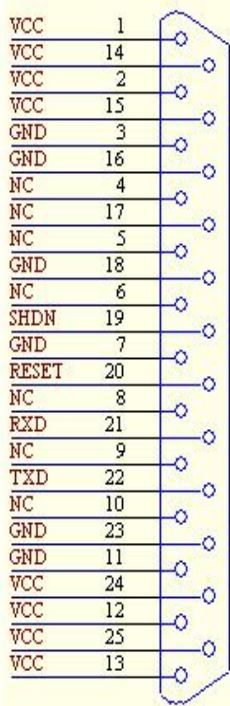
Remark: Stability is tested at room temperature $25 \pm 2^\circ\text{C}$ after pre-heating 30 minutes.

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

Installation of Module



Definition of Connector



Pin	Discription	Pin	Discription
1	5 power($\pm 10\%$)	14	5 power($\pm 10\%$)
2	5 power($\pm 10\%$)	15	5 power($\pm 10\%$)
3	Ground	16	Ground
4	NC	17	NC
5	NC	18	Ground
6	NC	19	Pump LaserModule On/Off 1: OFF 0: ON
7	Ground	20	Reset Input 1: Enable 0: Disable
8	NC	21	RS-232 Input(TTL)
9	NC	22	RS-232 Output (TTL)
10	NC	23	Ground
11	Ground	24	5 power($\pm 10\%$)
12	5 power($\pm 10\%$)	25	5 power($\pm 10\%$)
13	5 power($\pm 10\%$)		

Ordering Information

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