



上海量青光电技术有限公司

1600nmASE 宽带光源 Broadband Light Source



Description:

1600nm/1590nm ASE Broadband Light Source, based on Amplified Spontaneous Emission (ASE) laser diode (LD). Center wavelength 1590nm or 1600nm, operating wavelength range 1530 to 1660 nm, 1540-1640nm, 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:	Features:
Optical fiber sensing	High output power
PLC, CWDM, DWDM, Film testing	High spectral stability
Optical fiber grating testing	Broadband spectrum output
Optical fiber measurement equipments	Low noise
Fiber Optic Gyroscope (FOG)	Low polarization and low coherent
Optical coherence tomography (OCT)	

Parameters	Unit	
Part No.	-	LQ-ASE-1600-P-PW-SP
Central wavelength	nm	1540~1640
Power spectral density	dBm/nm	≥-10~-20
-3dB Spectrum width	nm	>50
Output power	mW	5~10
Spectral stability	dB	≤±0.05dB/5 min
Output power short-term stability	dB	≤±0.02dB/15 min
Output power long-term stability	dB	≤±0.03dB/8 hour
Degree of Polarization	DOP	≤5%
Operating mode	-	CW
Fiber pigtail	-	Single mode SMF-28
Output connector	-	FC/UPC or FC/APC, etc
Operating temperature	°C	0 ~ +65 (-20 ~ +65 available)
Storage temperature	°C	-20 ~ 70

总机: 021-64778883

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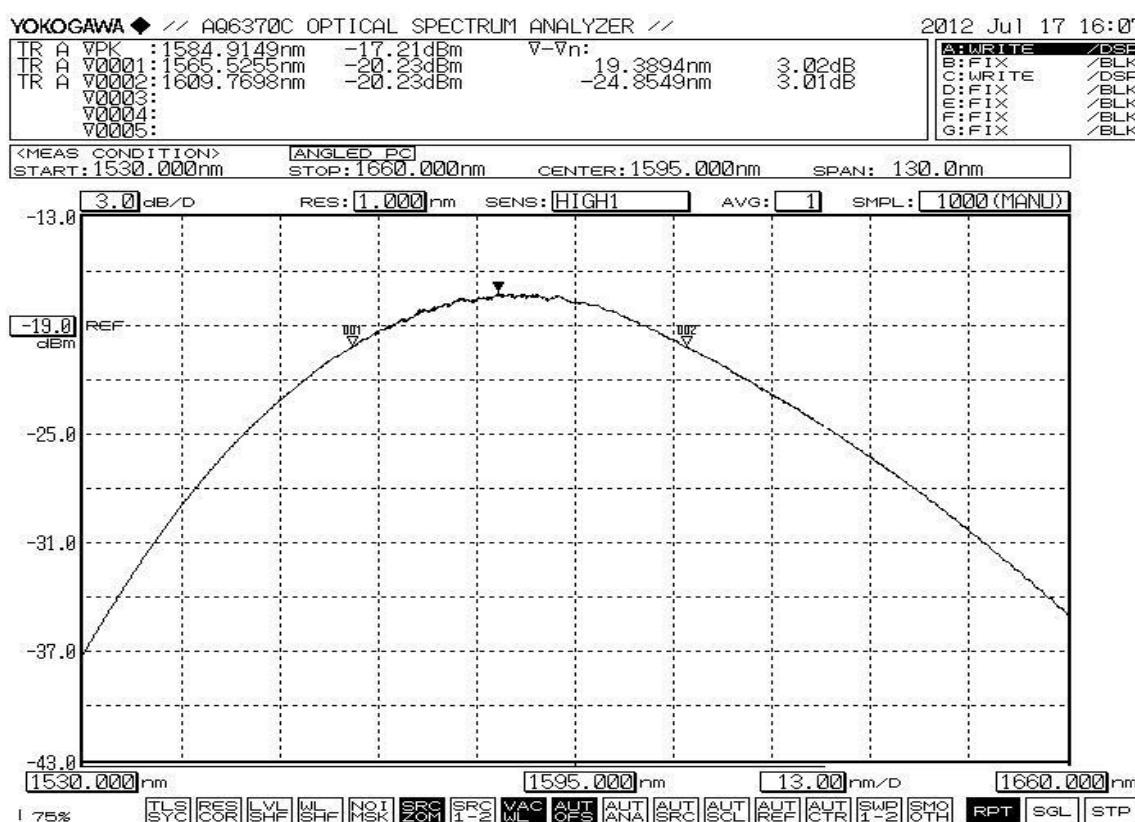


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Relative humidity	%	20~80
Power supply	-	+5V DC; >500mA; $\Delta V < 1\%$ (Module); AC 110/220V $\pm 10\%$, 50Hz, 20W(Desk-top)
Maximal Power Consumption	W	10
Dimensions (L×W×H)	mm	90×70×19 Module; 320×220×90 Benchtop

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.



Order Information:

LQ-ASE-1600-P-PW-SP

P:Package, B-Benchtop, M-Module

PW: Output power in mW, example: 1-1mW ,5-5mW

SP: Feedback protection, 0-None, 1-Yes

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