上海量青光电技术有限公司
QOPTRONICS

1050nmASE 宽带光源 Broadband Light Source

Description:
1050nm ASE Broadband Light Source, based on Amplified Spontaneous Emission (ASE) laser diode (LD). Operating wavelength range 970 to 1110 nm with Output power 5-10 mW, or 1030 to 1070 nm with Output power 10-30 mW. Power spectral density (PSD) ≥ -17 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
WDM, Film testing	High spectral stability
Optical fiber measurement equipments	Broadband spectrum output
Fiber Optic Gyroscope **(FOG)**	Low noise
Optical coherence tomography **(OCT)**	Low polarization and low coherent

Parameters	Unit	
Part No.	-	QINGLONG-ASE-1050-P-PW-SP
Central wavelength	nm	970~1100
Power spectral density	dBm/nm	≥-17
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	℃	0 ~ 40
Storage temperature	℃	-20 ~ 70
Relative humidity	%	20~80
Power supply	-	+5V DC; >500mA; ΔV＜1%(Module); AC

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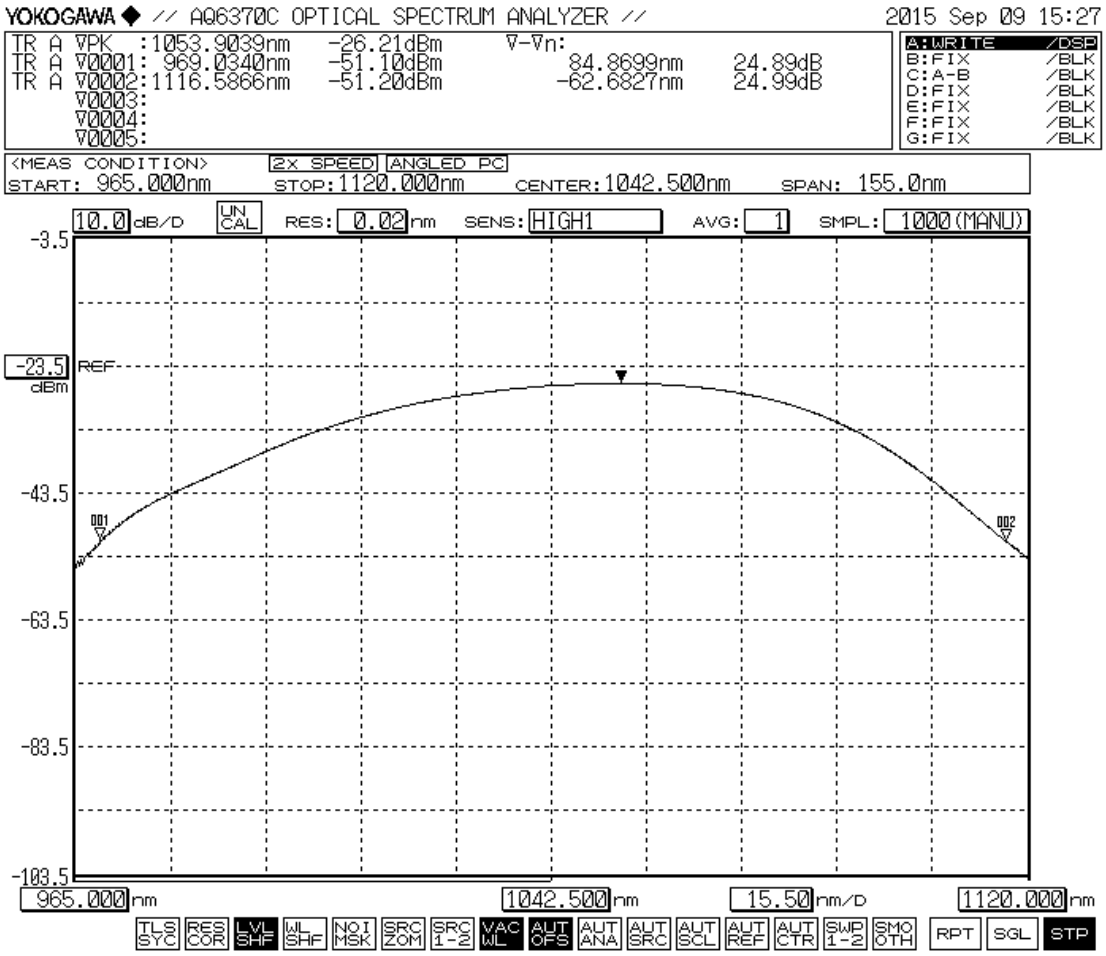
		110/220V ±10%, 50Hz, 20W(Desk-top)
Dimensions (L×W×H)	mm	90×70×19 Module; 320×220×90 Benchtop

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.



Order Information:

LQ-ASE-1050-P-PW-SP

P:Package，B-Benchtop，M-Module

PW: Output power in mW, example:1-1mW ,7-7mW, 10-10mW

SP: Feedback protection, 0-None，1-Yes

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