

Product Test Sheet

Product Name: ASE Broadband Light Source

Product Code: STASE-1064-1000-PM-B (LL-ASE-1064-1000-PMF-B)

Serial Number: 25090504

	Unit	Specification	Remarks
Optical Parameter			
Operating Wavelength	nm	1039.16-1082.12	@10dB
Output Power	mW	1000	Fix Power
Spectrum width	nm	42.9	@10dB
Output Power Stability	-	P-P: ±0.26% RMS: 0.14%	@1000mW over 90min
Polarization Extinction Ratio	dB	23.1	
Fiber Type	-	PLMA-GDF-10/125-M, Φ3mm×1m	Custom Fiber
Fiber Connector	-	FC/APC	
Environment and Electrical Parameters			
Control Function		Touchscreen+Software	
Remote Control Port		DB9-RS232	
Software Version		Laser Controller-V20250410	
Operation Temperature Range	°C	-5 to +45	
Storage Temperature Range	°C	-10 to +70	
Dimensions	mm	255(W)×322(D)×115(H)	Bench-top
Power Supply	V	AC 100-240V	EU Standard
Electrical Power Consumption	W	21	25°C

Note: ISO 11554-2017

8 Evaluation

8.1 General

The standard deviation, s , from n readings m_i is calculated according to

$$s = \sqrt{\frac{\sum_{i=1}^n (m_i - \bar{m})^2}{n-1}} \quad (3)$$

Where the mean value is

$$\bar{m} = \frac{\sum_{i=1}^n m_i}{n} \quad (4)$$

8.3 Power stability of cw lasers

Calculate the mean value of the power, $\bar{P}$, and the respective standard deviation, s , for the appropriate stability time domain (short-term, medium-short-term, medium-term and long-term) according to the specifications given in 7.3.

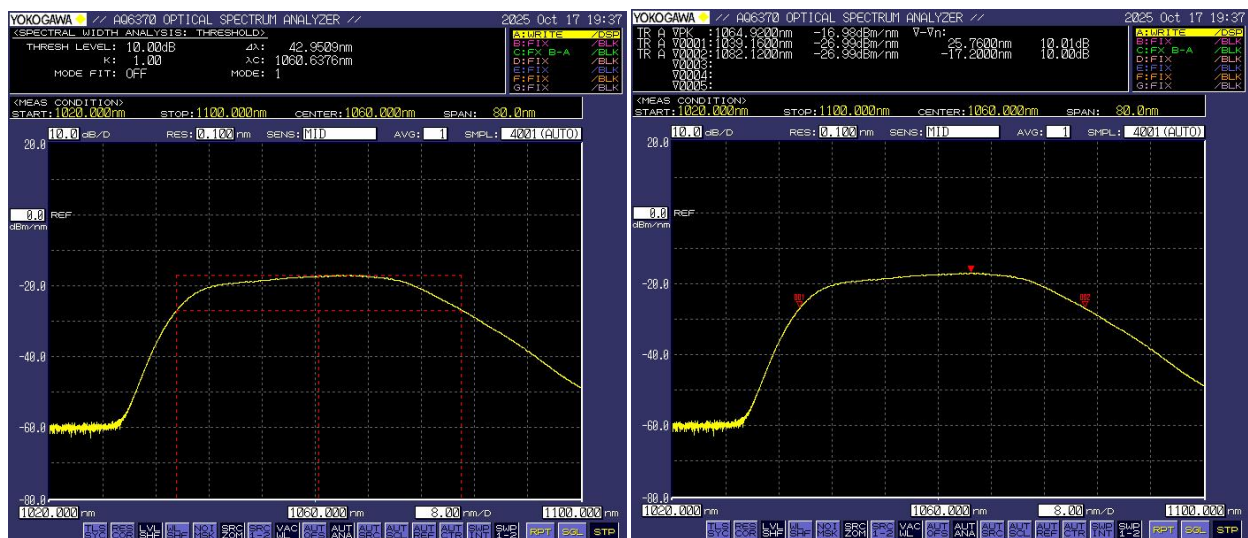
Power stability is given as the relative power fluctuation, ΔP , in the corresponding stability time domain calculated from Formula (9):

$$\Delta P = \frac{2s}{\bar{P}} \quad (9)$$

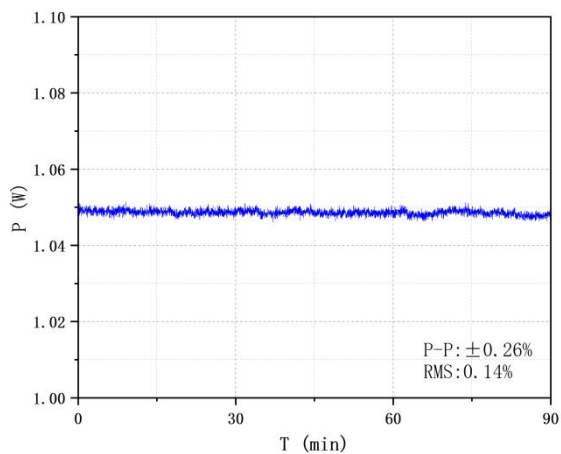
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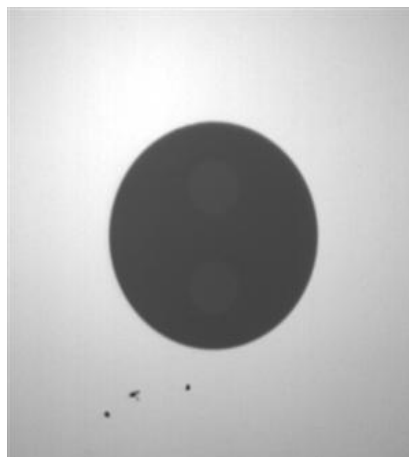




Optical Spectrum @1000mW Output Power(After 20dB attenuation)



Power Stability@1000mW Output Power



Output Fiber Endface

Date: 2025-10-23

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