

Product Test Sheet

Product Name: ASE Broadband Light Source

Product Code: STASE-1030-100-SM-B (LL-ASE-1030-100-SMF-B)

Serial Number: 25102901

Parameter	Unit	Test Value	Remarks
Wavelength Range	nm	1018-1044	1030 nm band
Spectral Width	nm	25.1	@10dB
Output Power	mW	100	Fixed power
Peak Power Instability (PP)*	-	±0.15%	@100mW 60min
Power Instability*	-	0.08%	
Output Isolation	dB	35	
Operating Temperature Range	°C	-5~+50	
Operating Humidity Range	%	0~70	
Storage Temperature Range	°C	-40~+85	
Power Supply Type	-	AC 100-240V	
Peak Power Consumption	-	9W	
Fiber Connector Type	-	FC/APC	
Output Pigtail Type	-	Hi1060 Single-mode fiber, 3 mm sleeve, 1 m long	
Dimensions	mm	台式 255(W)×285(D)×115(H)	
Host Computer Version		LaserController-V20250410	DB9-RS232

*Measurement Basis: GB/T 13863-2011 Test Methods for Laser Radiation Power and Power Instability

Formula for peak power instability of CW laser output power: $\Delta_{P2} = \pm \frac{P_{\max} - P_{\min}}{2P} \times 100\%$;

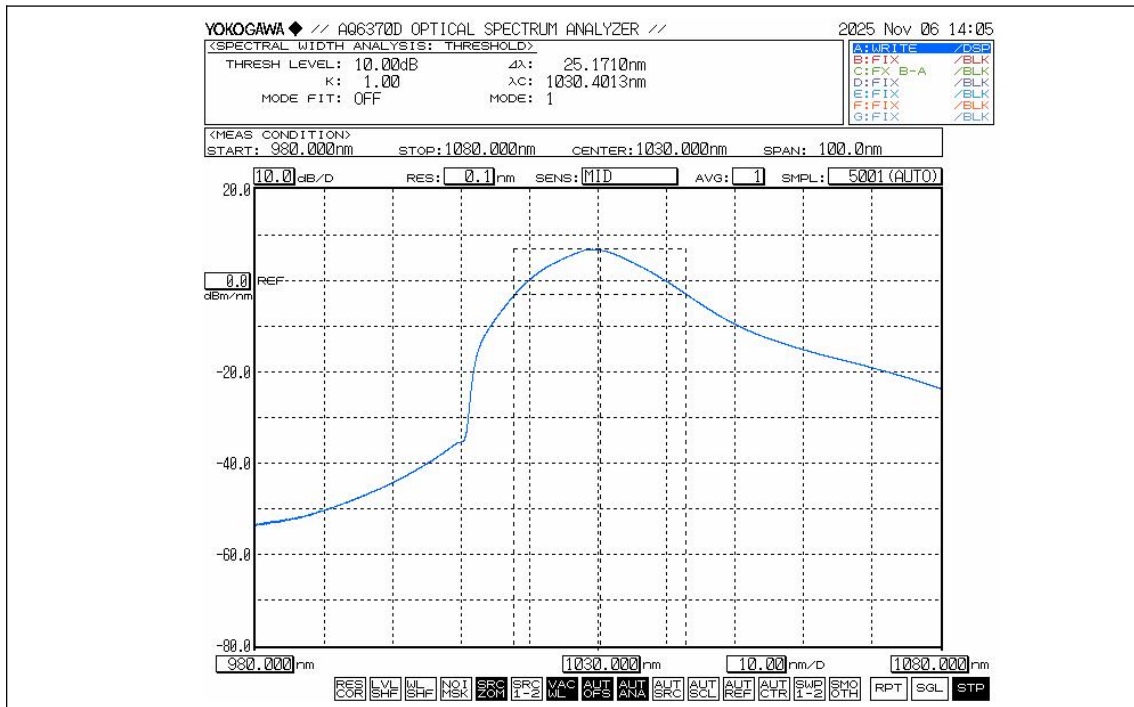
Formula for output power instability of CW laser: $\Delta_{P1} = \frac{2\Delta P_{\sigma}}{P} \times 100\%$;

Where $\Delta P_{\sigma} = \sqrt{\frac{\sum_{i=1}^n (P_i - \bar{P})^2}{n-1}}$, $\bar{P} = \frac{\sum_{i=1}^n P_i}{n}$;

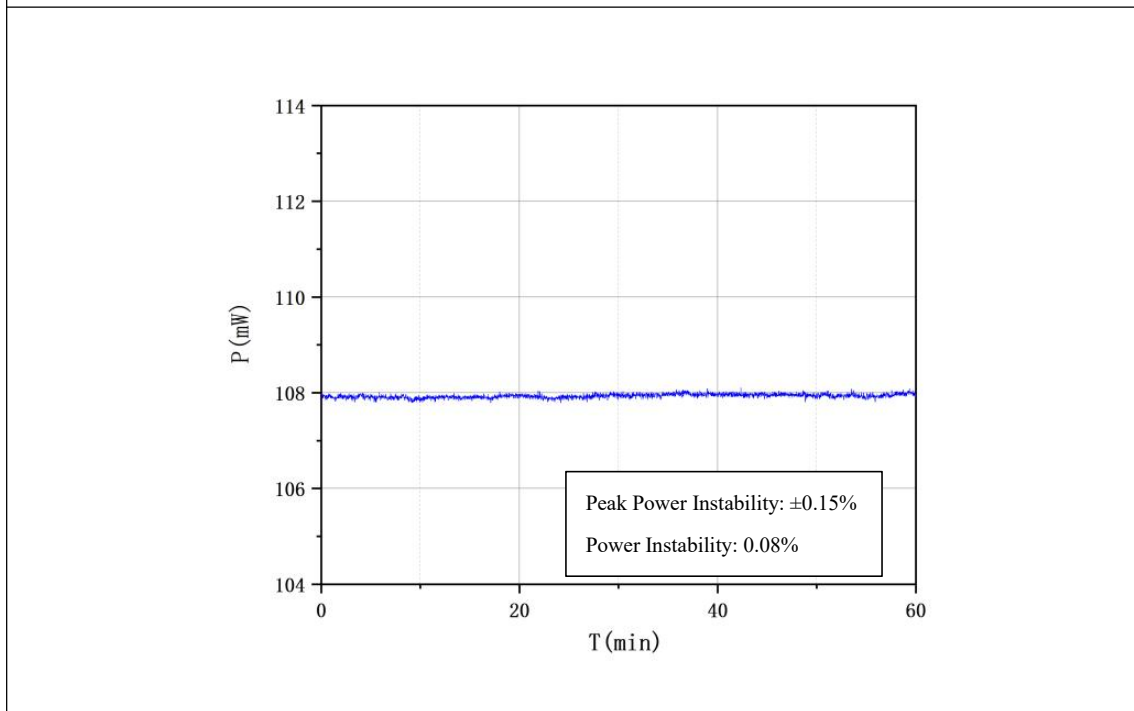
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Spectral Testing @100mW



Power Stability Test @100mW

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